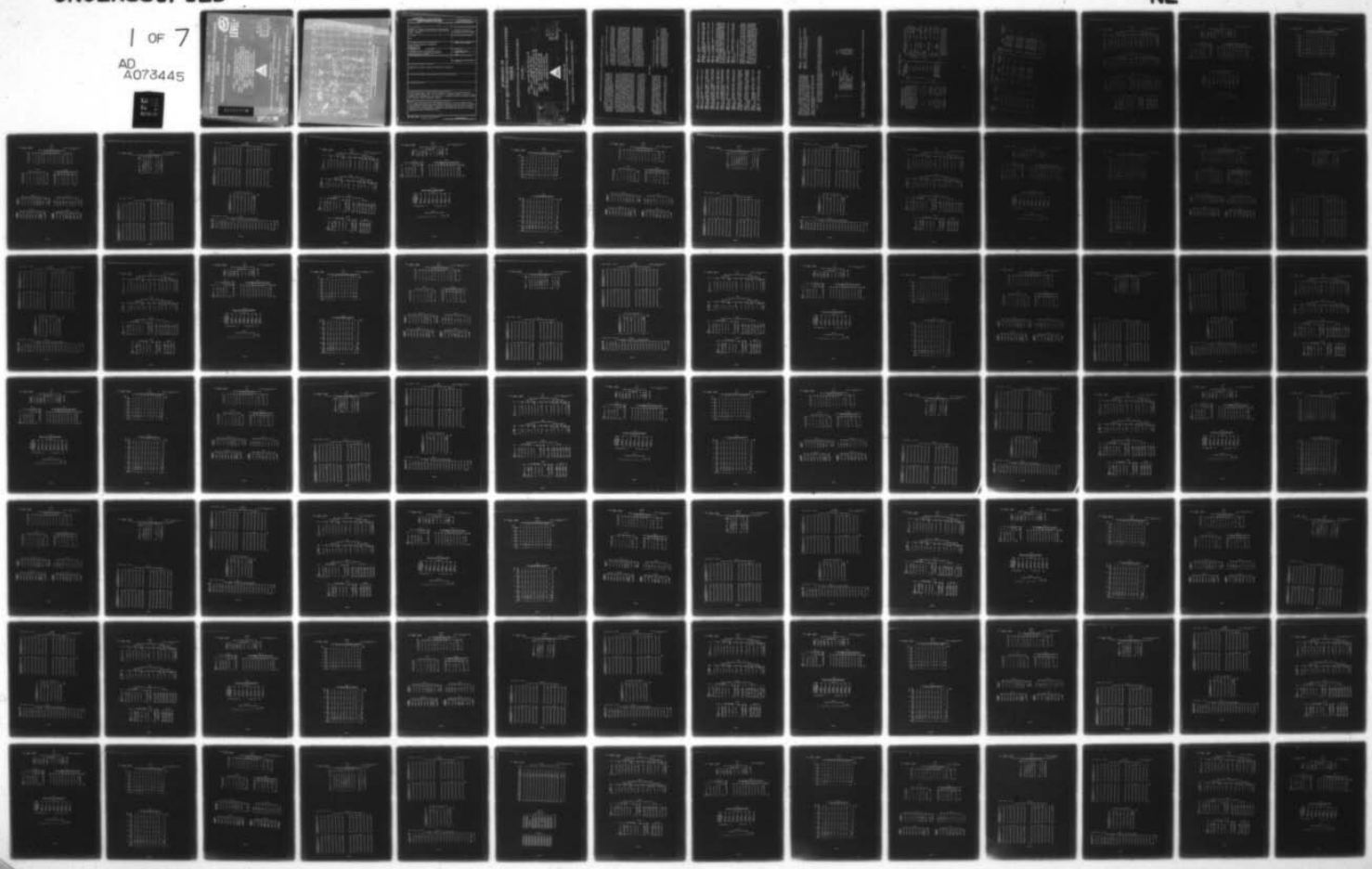
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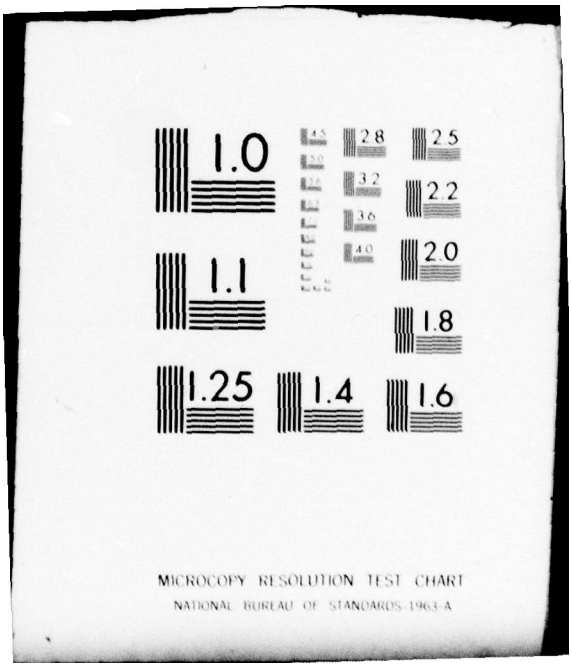
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1 OF 7

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NATIONAL BUREAU OF STANDARDS-1963-A

SUMMARY OF
OPTIC METEOROLOGICAL OBSERVATIONS
(SSMO)

SELECTED SOUTH PACIFIC ISLAND MARINE AREAS

VOLUME 1

AREA 1 - NAURU IS. AND OCEAN IS.
AREA 2 - GILBERT ISLANDS
AREA 3 - CANTON IS. AND PHOENIX IS.
AREA 4 - CHRISTMAS IS. AND JARVIS IS.
AREA 5 - SOLOMON ISLANDS NE
AREA 6 - SOLOMON ISLANDS SW
AREA 7 - FUNAFUTI ATOLL
AREA 8 - MARQUESAS ISLANDS



PREPARED BY

LEVEL

DDC
SEP 5 1979

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

This report presents marine climatological data for specific coastal areas in 21 different tables including weather occurrence, wind direction and speed, cloud amount, ceiling height, visibility, precipitation, dry bulb, relative humidity, air-sea temperature difference, sea height and period, sea surface temperature and sea level pressure.

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (SSMO)

SELECTED SOUTH PACIFIC ISLAND MARINE AREAS

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PREPARED BY
THE NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, N.C.
FOR
COMMANDER, NAVAL OCEANOGRAPHY COMMAND

406 538

SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (MONTHLY AND ANNUAL)

The SSMO series of coastal marine summaries is managed and produced by the Naval Weather Service Detachment, Asheville, N. C. for the Commander, Naval Oceanography Command. A list of published SSMO's is contained in the catalogue part of the "Guide to Standard Weather Summaries and Climatic Services", NAVAIR 50-1C-534.

The data summarized in the following tables were obtained from Tape Data Family 11 (TDF-11) Marine Surface Observations. The development and maintenance of TDF-11 was primarily funded by the Naval Weather Service Command. The source of these marine surface observations was punched cards of weather observations taken aboard vessels of varying registry. These observations were recorded on magnetic tape in a common format. Elements not in WMO code were converted to this code where possible. Where this was not possible, the original data were retained within the tape record as supplemental data. A very limited quality control was attempted as the punched cards were converted to taped records and, where possible, missing psychrometric data were computed.

Before the tables are prepared, extreme values of selected parameters are scrutinized so that obvious errors can be excluded. This method is necessarily subjective since the only available record of many observations is the punched card from which the tape records were prepared. Frequently there is no concrete evidence to prove or disprove the validity of questionable data.

Also, it should be noted that these data are based upon observations made by ships in passage. Such ships tend to avoid bad weather when possible, thus biasing the data file toward good weather samples.

Because the number of observations may vary from one table to the other, no absolute relationship exists between the tables. As an example, air temperature counts for Tables 13 and 17 may not be identical since only observations containing both air temperature and relative humidity were counted in Table 13 and only those with both temperature and air-sea temperature difference were counted in Table 17. No requirement for simultaneous recording of all elements was made.

The primary period of record is that period (extending back in time from the most recent data) during which eighty percent of the total number of observations were recorded. The overall period is the earliest to the latest observed data used in compiling the tables. Tables 18 and 19 were tabulated from selected decks only and the overall period indicates the period of record of this data source. The primary period for these tables is not shown.

THE TABLES

Percentage frequencies are computed to hundredths and rounded to tenths. An asterisk (*) indicates percentage frequency > 0 and $< .05$. A value followed by a plus sign indicates greater than or equal to that value (8+ means 8 or greater). NH = low cloud amount (or middle cloud amount when low clouds are not present). The hours given in this publication are GMT.

The geographic position shown on the tables is the central position (centroid) of the observations within the area. This value may fall outside irregular areas.

Annual values are computed on the basis of the sum of the monthlies divided by the number of months.

Tables 1 through 19 appear in numerical order for each month, with the annual tables appearing after the tables for December. Tables 20 and 21 appear at the end of the entire series, after the annual summary for Table 19. The series of summaries appear in numerical order by area number.

Table 1 - Percentage Frequency of Weather Occurrence by Wind Direction (8 pts.).

Table 2 - Percentage Frequency of Weather Occurrence by Hour (GMT).

Table 3 - Percentage Frequency of Wind Direction (8 pts.) by Speed and by Hour (GMT). This table includes mean wind speed (kts.) by direction (8 pts.).

Table 3A - Percentage Frequency of Wind Direction (8 pts.) by Speed and by Hour (GMT). This table includes mean wind speed (kts.) by direction.

Table 4 - Percentage Frequency of Wind Speed by Hour (GMT). This table includes mean speed by hour.

Table 5 - Percentage Frequency of Total Cloud Amount (Oktas) by Wind Direction (8 pts.). This table includes mean cloud amount by wind direction.

Table 6 - Percentage Frequency of Ceiling Heights (feet, NH > 4/8) and Occurrence of NH <5/8 by Wind Direction (8 pts.).

Table 7 - Cumulative Percentage Frequency of Occurrence of Ceiling Height (feet, NH > 4/8) and Visibility (Nautical Miles).

Table 7A - Percentage Frequency of Low Cloud Amount (or Middle Cloud Amount if Low Clouds are not present). and Percentage Frequency of Sky Obscured. Amounts are in Oktas.

Table 8 - Percentage Frequency of Wind Direction (8 pts.) vs. Occurrence or Non-Occurrence of Precipitation at Observation Time with Varying Values of Visibility (Nautical Miles).

Table 9 - Percentage Frequency of Wind Direction (8 pts.) vs. Wind Speed (kts.) with Varying Values of Visibility (Nautical Miles).

Table 10 - Percentage Frequency of Ceiling Heights (feet, NH > 4/8) and Occurrence of NH <5/8 by Hour (GMT).

Table 11 - Percentage Frequency of Visibility (Nautical Miles) by Hour (GMT).

Table 12 - Cumulative Percentage Frequency of Ranges of Visibility (Nautical Miles) and Ceiling Height (feet, NH > 4/8) by Hour (GMT).

Table 13 - Percentage Frequency of Relative Humidity (%) by Air Temperature (° F.).

Table 14 - Percentage Frequency of Wind Direction (8 pts.) by Air Temperature (° F.).

Table 15 - Means, Extremes, and Percentiles of Air Temperature (° F.) by Hour (GMT). Extreme temperatures are the one maximum and one minimum value appearing in the marine data file. The Extremes may be unrepresentative due to sampling errors. Extrapolation from the percentile values usually gives a better estimate of expected extreme conditions.

Table 16 - Percentage Frequency of Relative Humidity (%) by Hour (GMT).

Table 17 - Percentage Frequency of Air Temperature (° F.) and the Occurrence of Fog vs. Air-Sea Temperature Difference (° F.).

Air-Sea Temperature Difference is:

Positive when the air is warmer than the sea surface; Negative when the air is cooler than the sea surface. In the table heading, the limits of the temperature ranges appear in a vertical arrangement along the top of the table.

Table 18 - Percentage Frequency of Surface Wind Speed (kts.) and Direction (8 pts.) vs. Sea Height (feet). Source deck 128 for which data are available from mid-1963 was used for these tables. This deck represents the latest and most complete homogeneous source of wave data available. Here, only sea waves generated by local winds in the vicinity of the observer are summarized.

Table 19 - Percentage Frequency of Wave Height (feet) vs. Wave Period (seconds). In this table when both sea and swell waves are present in an observation, the higher of the two is used. If both are the same height, the longer period is chosen. When only one of the wave groups is observed, either sea or swell, it is used in the summary. Swell waves are those generated by winds distant from the local area where the observation is taken.

Tables 1-19 appear together for each month and in the annual summary. The following two tables appear at the end of the entire series for each area.

Table 20 - Monthly and Annual Percentage Frequencies and Means of Sea Surface Temperature (° F.).

Table 21 - Monthly and Annual Sea Level Pressures (millibars). This table includes means by hour and for all hours, extreme values and percentile values.

Note: In this volume, percentage frequencies at specified hours of the day refer to percentages of observations taken at those hours, rather than percentages of observations taken at all hours. Data at adjacent hours are summarized with data at synoptic hours, i.e., data from 02 and 04 GMT are combined with data from 03 GMT.

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1	NAURU IS. AND OCEAN IS.	1-79
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4	CHRISTMAS IS. AND JARVIS IS.	238-316
5	SOLOMON ISLANDS NE	317-395
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7	FUNAFUTI ATOLL	475-553
8	MARQUESAS ISLANDS	554-632

Copies of this document are obtainable from the National Technical Information Service (NTIS), Springfield, Virginia 22161.

DIRECTION AND WEATHER CODES

CONVERSION OF WIND AND WAVE DIRECTION TO 8 POINTS

A reduced bias system was employed in converting wind and wave directions to 8 points. This method attaches weighting values to observations which overlap two different 8 point sectors and treats them as "decimal observation counts." These decimal quantities are rounded to whole numbers for presentation as "observational counts" in the tables. Figures 1-4 below show the 8 point system with other systems superimposed.

Note: Because of rounding, sub-total sums of "observation counts" may not equal grand totals.

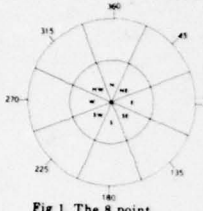


Fig 1. The 8 point direction system.

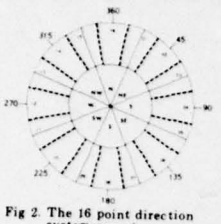


Fig 2. The 16 point direction system superimposed on the 8 point system.

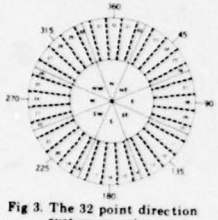


Fig 3. The 32 point direction system superimposed on the 8 point system.

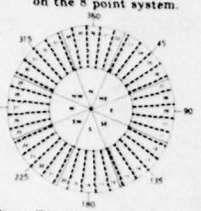


Fig 4. The 36 point direction system superimposed on the 8 point system.

VISIBILITY (VV)

CODE	INTERPRETATION (NAUTICAL MILES)
90-93	VV<1/2
94	1/2≤VV<1
95	1≤VV<2
96	2≤VV<5
97	5≤VV<10
98	10≤VV<25
99	VV≥25

NOTE: <means less than; >means greater than; ≤means less than or equal to; ≥means greater than or equal to.

PRESENT WEATHER (1960 WMO CODE 4677)

CODE	INTERPRETATION
58-59, 60-65, 91-94, (68-69, 95, 97 IF TEMP >40°F)	RAIN
80-82, (83-84 IF TEMP >40°F)	RAIN SHOWERS
50-55, 58-59	DRIZZLE
56-57, 66-67	FREEZING PRECIPITATION
70-75, 85-86, (68-69, 83-84, 95, 97 IF TEMP ≤40°F)	SNOW
76-79	OTHER FROZEN PRECIPITATION
87-90, 93-94, 96, 99	HAIL
13, 17, 19, 29, 95-99	THUNDER LIGHTNING THUNDERSTORM

CODE	INTERPRETATION
10-12, 40-49	FOG (WITHOUT PRECIPITATION)
28	FOG (WITHOUT PRECIPITATION) PAST HOUR
04-05	SMOKE HAZE
06-09, 30-39	SPRAY BLOWING DUST BLOWING SNOW
00-03, 14-16, 18	NO SIGNIFICANT WEATHER AT OB TIME
00-49	NO PRECIPITATION AT OB TIME
50-99	PRECIPITATION AT OB TIME
20-27	PRECIPITATION PAST HOUR

NOTE: The following WMO codes were counted in two weather categories. 58-59 (rain and drizzle); 68-69 (rain and snow); 93-94 (rain and hail); 96 and 99 (hail and thunder/lightning/thunderstorm); 95 and 97 (snow and thunder/lightning/thunderstorm), or (rain and thunder/lightning/thunderstorm).

WAVE HEIGHT (from source decks 128 and 116)

RECORDED CODE (HALF METERS)	RANGE (METERS)	AS RECORDED IN TABULATION (FEET)
00	≤.25	<1
01	>.25 to .75	1-2
02	>.75 to 1.25	3-4
03	>1.25 to 1.75	5-6
04	>1.75 to 2.25	7
05	>2.25 to 2.75	8-9
06	>2.75 to 3.25	10-11
07	>3.25 to 3.75	12
08	>3.75 to 4.25	13-16
09	>4.25 to 4.75	
10	>4.75 to 5.25	17-19
11	>5.25 to 5.75	
12	>5.75 to 6.25	20-22
13	>6.25 to 6.75	
14	>6.75 to 7.25	23-25
15	>7.25 to 7.75	
16	>7.75 to 8.25	26-32
17	>8.25 to 8.75	
18	>8.75 to 9.25	
19	>9.25 to 9.75	
20	>9.75 to 10.25	33-40
21	>10.25 to 10.75	
22	>10.75 to 11.25	
23	>11.25 to 11.75	
24	>11.75 to 12.25	
25	>12.25 to 12.75	41-48
26	>12.75 to 13.25	
27	>13.25 to 13.75	
28	>13.75 to 14.25	
29	>14.25 to 14.75	
30	>14.75 to 15.25	49-60
31	>15.25 to 15.75	
32	>15.75 to 16.25	
33	>16.25 to 16.75	
34	>16.75 to 17.25	
35	>17.25 to 17.75	
36	>17.75 to 18.25	
37	>18.25 to 18.75	61-70
38	>18.75 to 19.25	
39	>19.25 to 19.75	
40	>19.75 to 20.25	
41	>20.25 to 20.75	
42	>20.75 to 21.25	
43	>21.25 to 21.75	71-86
44	>21.75 to 22.25	
45	>22.25 to 22.75	
46	>22.75 to 23.25	
47	>23.25 to 23.75	
48	>23.75 to 24.25	
49	>24.25 to 24.75	
50	>24.75 to 25.25	
51	>25.25 to 25.75	
52	>25.75 to 26.25	
53-99	>26.25 to 49.75	≥87

Indeterminate=INDET

JANUARY

PERIOD: (PRIMARY) 1957-1976
(OVER-ALL) 1866-1976

AREA 0001 NAURU IS. AND OCEAN IS.
.8S 167.4E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	5.5	.0	.0	.0	.0	.0	.0	5.5	13.7	.0	.0	.0	.0	.0	.0	80.8
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	9.4	.0	.0	.0	.0	.0	9.4	4.7	.0	.0	.0	.0	.0	.0	85.9
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	42.9	.0	.0	.0	.0	.0	57.1
SW	16.0	.0	.0	.0	.0	.0	.0	16.0	16.0	20.0	.0	.0	.0	.0	.0	48.0
W	33.3	7.5	4.3	.0	.0	.0	.0	40.9	4.3	4.3	.0	.0	.0	.0	.0	50.5
NW	1.6	1.6	.0	.0	.0	.0	.0	3.1	15.6	12.5	6.3	.0	.0	.0	.0	62.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3	.0	.0	.0	.0	.0	85.7
TOT PCT	8.8	3.5	.9	.0	.0	.0	.0	12.4	7.1	5.3	.9	.0	.0	.0	.0	74.3
TOT OBS:	113															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00603	8.0	.0	.0	.0	.0	.0	.0	8.0	4.0	.0	.0	.0	.0	.0	.0	88.0
06609	10.0	3.3	.0	.0	.0	.0	.0	13.3	13.3	.0	3.3	.0	.0	.0	.0	70.0
12615	7.9	2.6	2.6	.0	.0	.0	.0	10.5	2.6	18.4	.0	.0	.0	.0	.0	68.4
18621	8.7	8.7	.0	.0	.0	.0	.0	17.4	8.7	.0	.0	.0	.0	.0	.0	73.9
TOT PCT	8.6	3.4	.9	.0	.0	.0	.0	12.1	6.9	6.0	.9	.0	.0	.0	.0	74.1
TOT OBS:	116															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.5	8.3	4.7	.0	.0	.0		15.5	8.0	25.0	.0	12.5	7.1	13.2	16.7	15.6	7.1
NE	1.7	6.4	5.9	.2	.0	.0		14.2	9.2	18.5	.0	9.4	35.7	8.8	50.0	6.3	21.4
E	.0	6.6	12.5	.6	.0	.0		19.7	12.5	11.1	.0	15.6	10.7	25.7	.0	31.3	28.6
SE	1.7	2.8	.2	.0	.0	.0		4.7	6.2	3.7	.0	.0	32.1	3.7	.0	6.3	.0
S	.6	.8	.0	.0	.0	.0		1.5	3.5	.0	.0	4.2	.0	2.2	.0	.0	.0
SW	1.9	3.4	.0	.0	.0	.0		5.3	5.8	7.4	.0	12.5	.0	3.7	.0	.0	.0
W	1.5	11.0	6.4	.8	.0	.0		19.7	10.4	21.3	.0	33.3	.0	11.0	.0	23.4	28.6
NW	2.8	4.9	5.9	.0	.0	.0		13.6	9.1	9.3	.0	12.5	14.3	25.7	.0	4.7	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.9							5.9	.0	3.7	.0	.0	.0	5.9	33.3	12.5	14.3
TOT OBS	22	52	42	2	0	0	118		9.0	27	0	24	7	34	3	16	7
TOT PCT	18.6	44.1	35.6	1.7	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	7.0	7.6	.8	.0	.0		15.5	8.0	25.0	11.3	13.5	13.0
NE	5.9	6.6	1.5	.2	.0		14.2	9.2	18.5	15.3	12.2	10.9
E	1.9	12.7	4.4	.6	.0		19.7	12.5	11.1	14.5	23.6	30.4
SE	1.9	2.8	.0	.0	.0		4.7	6.2	3.7	7.3	3.4	4.3
S	1.5	.0	.0	.0	.0		1.5	3.5	.0	3.2	2.0	.0
SW	2.8	2.5	.0	.0	.0		5.3	5.8	7.4	9.7	3.4	.0
W	4.2	13.1	2.3	.0	.0		19.7	10.4	21.3	25.8	10.1	25.0
NW	5.3	7.2	1.1	.0	.0		13.6	9.1	9.3	12.9	23.6	3.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	5.9						5.9	.0	3.7	.0	8.1	13.0
TOT OBS	43	62	12	1	0	118		9.0	27	31	37	23
TOT PCT	36.4	52.5	10.2	.8	.0		100.0		100.0	100.0	100.0	100.0

JANUARY

PERIOD: (PRIMARY) 1957-1978
(OVER-ALL) 1866-1978

AREA 0001 NAURU IS. AND OCEAN IS.
-.85 167.4E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	3.7	22.2	33.3	40.7	.0	.0	.0	8.3	100.0	27
06&09	.0	12.9	51.6	32.3	3.2	.0	.0	9.9	100.0	31
12&15	8.1	10.8	48.6	29.7	2.7	.0	.0	8.5	100.0	37
18&21	13.0	4.3	39.1	43.5	.0	.0	.0	9.1	100.0	23
TOT	7	15	52	42	2	0	0	9.0		118
PCT	5.9	12.7	44.1	35.6	1.7	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.2	4.5	6.6	5.4		5.7
NE	3.0	.3	5.4	1.8		5.2
E	6.6	2.1	5.4	1.8		4.0
SE	1.2	1.2	1.2	.0		3.3
S	2.1	.0	.0	.0		2.0
SW	1.5	1.2	2.4	2.4		5.5
W	.0	.9	10.2	13.3		7.2
NW	.0	1.8	4.8	6.6		6.8
VAR	.0	.0	.0	.0		.0
CALM	.0	1.2	2.4	1.2		6.0
TOT OBS	13	11	32	27	83	5.7
TOT PCT	15.7	13.3	38.6	32.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	4.2	.0	.0	.0	.0	.0	13.6	
NE	.0	.0	.0	.0	1.2	.0	.3	.0	.0	.0	9.0	
E	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	15.1	
SE	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	2.4	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	
SW	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0	5.1	
W	.0	.0	3.3	4.9	4.5	.0	.0	.0	.0	.0	12.0	
NW	.0	.0	.3	.3	2.1	.0	.0	.0	.0	1.2	9.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	1.2	.0	.0	.0	.0	.0	3.6	
TOT OBS	0	0	3	5	13	0	1	0	0	1	60	83
TOT PCT	.0	.0	3.6	6.0	15.7	.0	1.2	.0	.0	1.2	72.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
* OR >5000	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
* OR >3500	1.2	1.2	2.4	2.4	2.4	2.4	2.4	2.4
* OR >2000	1.2	1.2	2.4	2.4	2.4	2.4	2.4	2.4
* OR >1000	12.9	16.5	17.6	17.6	17.6	18.8	18.8	18.8
* OR >600	14.1	21.2	23.5	23.5	23.5	24.7	24.7	24.7
* OR >300	16.5	23.5	27.1	27.1	27.1	28.2	28.2	28.2
* OR >150	16.5	23.5	27.1	27.1	27.1	28.2	28.2	28.2
* OR > 0	16.5	23.5	27.1	27.1	27.1	28.2	28.2	28.2
TOTAL	14	20	23	23	23	24	24	24

TOTAL NUMBER OF OBS: 85 PCT FREQ NH <5/8: 71.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
2.2	19.4	22.6	20.4	6.5	7.5	6.5	3.2	11.8	.0	93

JANUARY

PERIOD: (PRIMARY) 1957-1978
(OVER-ALL) 1866-1978

AREA 0001 NAURU IS. AND OCEAN IS.
.0S 167.4E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.7	.2	.0	.0	.9	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.7	.2	.0	.0	.9	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.9	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.9	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.9	
	NO PCP	.0	.2	.7	.0	.0	.0	.9	.0	.0	.0	1.8	
	TOT %	.0	.2	.7	.0	.0	.0	1.8	.0	.0	.0	2.7	
5<10	PCP	.0	.0	.9	.0	.0	.9	4.4	.0	.0	.0	6.2	
	NO PCP	.0	1.9	5.3	.2	.0	.0	.7	1.1	.0	.0	8.8	
	TOT %	.0	1.9	6.2	.2	.0	.9	5.1	1.1	.0	.0	15.0	
10+	PCP	.9	.0	.9	.0	.0	.0	2.4	.2	.0	.0	4.4	
	NO PCP	15.3	11.3	11.1	3.8	1.5	4.6	10.6	11.7	.0	6.2	76.1	
	TOT %	16.2	11.3	11.9	3.8	1.5	4.6	13.1	11.9	.0	6.2	80.5	
	TOT OBS												113
	TOT PCT	16.2	13.1	18.8	4.0	1.5	5.5	20.6	14.2	.0	6.2	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.7	.2	.0		.9	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.7	.2	.0	.0	.9	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.9	.0		.9	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.9	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.9	.0	.0		.9	
	11-21	.0	.0	.0	.0	.0	.0	.9	.0	.0		.9	
	22+	.0	.2	.7	.0	.0	.0	.0	.0	.0		.9	
	TOT %	.0	.2	.7	.0	.0	.0	1.8	.0	.0	.0	2.7	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.2	.7	.0	.0	.9	1.5	.2	.0		3.5	
	11-21	.0	1.9	5.5	.2	.0	.0	2.7	.9	.0		10.6	
	22+	.0	.0	.0	.0	.0	.0	.9	.0	.0		.9	
	TOT %	.0	1.9	6.2	.2	.0	.9	5.1	1.1	.0	.0	15.0	
10+	0-3	2.7	.9	.0	1.8	.7	2.0	1.5	2.9	.0	6.2	18.6	
	4-10	8.6	5.5	5.3	2.0	.9	2.7	9.1	4.9	.0		38.9	
	11-21	4.9	4.9	6.6	.0	.0	.0	2.4	4.2	.0		23.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	16.2	11.3	11.9	3.8	1.5	4.6	13.1	11.9	.0	6.2	80.5	
	TOT OBS												113
	TOT PCT	16.2	13.1	18.8	4.0	1.5	5.5	20.6	14.2	.0	6.2	100.0	

JANUARY

PERIOD: (PRIMARY) 1957-1978
(OVER-ALL) 1866-1978

AREA 0001 NAURU IS. AND OCEAN IS.
.8S 167.4E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	4.0	20.0	.0	.0	.0	.0	.0	24.0	76.0	25
06&09	.0	.0	9.1	9.1	27.7	.0	.0	.0	.0	.0	40.9	59.1	22
12&15	.0	.0	3.3	3.3	6.7	.0	3.3	.0	.0	3.3	20.0	80.0	30
18&21	.0	.0	.0	7.7	15.4	.0	.0	.0	.0	.0	23.1	76.9	13
TOT	0	0	3	5	14	0	1	0	0	1	24	66	90
PCT	.0	.0	3.3	5.6	15.6	.0	1.1	.0	.0	1.1	26.7	73.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	8.0	92.0	25
06&09	3.3	3.3	.0	6.7	20.0	66.7	30
12&15	.0	.0	.0	2.6	10.5	86.8	38
18&21	.0	.0	.0	.0	21.7	78.3	23
TOT	1	1	0	3	17	94	116
PCT	.9	.9	.0	2.6	14.7	81.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <3OYD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	4.0	20.0	76.0	25
06&09	.0	13.6	22.7	18.2	59.1	22
12&15	.0	4.0	12.0	12.0	76.0	25
18&21	.0	.0	7.7	15.4	76.9	13
TOT	0	4	10	14	61	85
PCT	.0	4.7	11.8	16.5	71.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	2.0	.0	.0	.0	1	2.0
85/89	.0	.0	.0	.0	2.0	15.7	2.0	.0	10	19.6
80/84	.0	.0	.0	.0	2.0	19.6	39.2	9.8	36	70.6
75/79	.0	.0	.0	.0	.0	.0	3.9	3.9	4	7.8
TOTAL	0	0	0	0	3	18	23	7	51	100.0
PCT	.0	.0	.0	.0	5.9	35.3	45.1	13.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	3.9	2.0	2.0	2.0	2.0	1.3	4.4	.0	2.0
9.3	10.8	3.9	2.9	1.5	4.4	16.7	11.3	.0	7.8
.0	.5	3.4	2.0	.0	.0	2.0	.0	.0	.0
11.3	15.2	11.3	6.9	3.4	6.4	20.1	15.7	.0	9.8

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	90	89	89	84	81	80	80	84.4	22
06&09	87	86	86	83	78	77	77	82.3	31
12&15	84	83	83	82	78	77	77	81.3	34
18&21	82	81	81	81	77	77	77	81.1	20
TOT	90	89	86	82	78	77	77	82.2	107

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	14.3	57.1	28.6	.0	77	14
06&09	.0	.0	7.7	46.2	38.5	7.7	78	13
12&19	.0	.0	.0	15.8	63.2	21.1	84	19
18&21	.0	.0	.0	28.6	28.6	42.9	85	7
TOT	0	0	3	19	23	8	81	53

JANUARY

PERIOD: (PRIMARY) 1957-1978
(OVER-ALL) 1866-1978

TABLE 17

AREA 0001 NAURU IS. AND OCEAN IS.
.65 167.4E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
5	.0	.0	.0	2.6	2	.0	2.6
4	.0	1.3	.0	.0	1	.0	1.3
3	.0	.0	2.6	.0	2	.0	2.6
2	.0	6.5	2.6	.0	7	.0	9.1
1	.0	2.6	3.9	.0	5	.0	6.5
0	.0	20.8	1.3	.0	17	.0	22.1
-1	3.9	9.1	1.3	.0	11	.0	14.3
-2	1.3	11.7	1.3	.0	11	.0	14.3
-3	3.9	3.9	.0	.0	6	1.3	6.5
-4	7.8	3.9	.0	.0	9	.0	11.7
-5	.0	2.6	.0	.0	2	.0	2.6
-6	3.9	.0	.0	.0	3	.0	3.9
-9/-10	1.3	.0	.0	.0	1	.0	1.3
TOTAL	17		10			1	76
		48		2	77		
PCT	22.1	62.3	13.0	2.6	100.0	1.3	98.7

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.6	.0	.0	.0	.0	4.6
3-4	.0	5.6	6.8	.0	.0	.0	12.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.2	6.8	.0	.0	.0	17.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.2	2.9	.0	.0	.0	4.1
3-4	.0	3.1	.0	.0	.0	.0	3.1
5-6	.0	1.2	.0	.0	.0	.0	1.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.5	6.8	.3	.0	.0	8.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.9	.0	.0	.0	.0	.9
1-2	.0	1.2	.0	.0	.0	.0	1.2
3-4	.0	3.4	8.0	.0	.0	.0	11.4
5-6	.0	.0	2.5	.0	.0	.0	2.5
7	.0	.0	2.5	.9	.0	.0	3.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.6	13.0	.9	.0	.0	19.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.3	.0	.0	.0	.0	.3
1-2	.0	2.3	.0	.0	.0	.0	2.3
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	2.8	.0	.0	.0	.0	4.0

PERIOD: (OVER-ALL) 1963-1978 JANUARY AREA 0001 NAURU IS. AND OCEAN IS. .8S 167.4E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.9	1.2	.0	.0	.0	.0	2.2
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	1.2	.0	.0	.0	.0	2.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	1.3	4.9	.0	.0	.0	.0	6.5
3-4	1.2	.0	.0	.0	.0	.0	1.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.8	4.9	.0	.0	.0	.0	7.7

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	2.2	5.2	.0	.0	.0	.0	7.4
3-4	.0	9.6	4.9	.0	.0	.0	14.5
5-6	.0	.0	.9	1.2	.0	.0	2.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.2	14.8	5.9	1.2	.0	.0	24.1

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	1.3	2.5	.0	.0	.0	.0	4.0	
3-4	.0	2.2	4.3	.0	.0	.0	6.5	
5-6	.0	.0	2.8	.0	.0	.0	2.8	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.3	4.6	7.1	.0	.0	.0	13.3	96.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.7	2.4	.0	.0	.0	.0	6.1	
1-2	7.3	23.2	2.4	.0	.0	.0	32.9	
3-4	1.2	20.7	26.8	.0	.0	.0	48.8	
5-6	.0	.0	7.3	1.2	.0	.0	8.5	
7	.0	.0	2.4	1.2	.0	.0	3.7	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	12.2	46.3	39.0	2.4	.0	.0	100.0	82

PERIOD: (OVER-ALL) 1957-1978 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.1	2.2	11.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	3
6-7	.0	.0	11.0	12.1	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25	5
8-9	.0	.0	12.1	9.3	9.3	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	5
10-11	.0	4.4	4.4	1.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	3
12-13	.0	.0	2.2	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	4
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	1.1	1.1	5.5	5.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	4
TOTAL	2	7	42	29	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	91	4
PCT	2.2	7.7	46.2	31.9	11.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1937-1978
(OVER-ALL) 1856-1978

AREA 0001 NAURU IS. AND OCEAN IS.
.45 167.9E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	11.4	.0	.0	.0	.0	.0	11.4	.0	.0	.0	.0	.0		.0	88.6
NE	.0	7.3	.0	.0	.0	.0	.0	7.3	.0	.0	.0	.0	.0		.0	92.7
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SE	.0	9.3	.0	.0	.0	.0	.0	9.3	.0	.0	.0	.0	.0		.0	90.5
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SW	44.4	.0	.0	.0	.0	.0	.0	44.4	.0	.0	.0	.0	.0		.0	55.6
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NW	.0	44.4	.0	.0	.0	.0	.0	44.4	.0	.0	.0	.0	.0		.0	55.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	1.6	6.3	.0	.0	.0	.0	.0	7.9	.0	.0	.0	.0	.0		.0	92.1
TOT OBS:	63															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	.0	7.1	.0	.0	.0	.0	.0	7.1	.0	.0	.0	.0	.0		.0	92.9
06609	6.3	.0	.0	.0	.0	.0	.0	6.3	.0	.0	.0	.0	.0		.0	93.8
12615	.0	10.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0		.0	90.0
18621	.0	7.1	.0	.0	.0	.0	.0	7.1	.0	.0	.0	.0	.0		.0	92.9
TOT PCT	1.6	6.3	.0	.0	.0	.0	.0	7.8	.0	.0	.0	.0	.0		.0	92.2
TOT OBS:	64															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	8.1	4.8	.0	.0	.0		13.0	9.2	17.2	.0	13.5	22.2	5.7	.0	22.2	11.1
NE	1.5	16.3	10.8	.0	.0	.0		28.6	9.9	20.3	.0	23.1	19.4	44.3	50.0	19.5	25.0
E	3.9	19.0	7.2	.0	.0	.0		30.1	9.0	29.7	.0	40.4	38.1	27.3	20.0	16.7	36.1
SE	3.0	7.2	2.4	.0	.0	.0		12.7	7.4	14.1	.0	7.7	.0	9.1	30.0	25.0	16.7
S	1.2	.0	1.2	.0	.0	.0		2.4	8.0	.0	.0	7.7	.0	.0		11.1	.0
SW	.0	2.7	.0	.0	.0	.0		2.7	9.8	6.3	.0	.0	11.1	.0	.0	2.8	.0
W	.0	.9	.9	.0	.0	.0		1.8	12.5	.0	.0	.0	.0	9.4	.0	8.3	.0
NW	.0	2.4	2.7	.0	.0	.0		5.1	10.3	6.3	.0	.0	11.1	9.7	.0	.0	11.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.6							3.6	.0	6.3	.0	7.7	.0	4.5	.0	.0	.0
TOT OBS	11	47	25	0	0	0	83		8.8	16	0	13	9	22	5	9	9
TOT PCT	13.3	56.6	30.1	.0	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.7	8.0	1.2	.0	.0		13.0	9.2	17.2	17.0	4.6	16.7
NE	6.0	19.6	3.0	.0	.0		28.6	9.9	20.3	21.6	45.4	19.4
E	9.3	19.0	1.8	.0	.0		30.1	9.0	29.7	38.6	25.9	26.4
SE	6.6	4.8	1.2	.0	.0		12.7	7.4	14.1	4.3	13.0	20.8
S	1.2	1.2	.0	.0	.0		2.4	8.0	.0	4.3	.0	5.6
SW	2.4	.3	.0	.0	.0		2.7	9.8	6.3	4.3	.0	1.4
W	.0	1.8	.0	.0	.0		1.8	12.5	.0	.0	2.8	4.2
NW	1.2	3.9	.0	.0	.0		5.1	10.3	6.3	4.3	4.6	5.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.6						3.6	.0	6.3	4.3	3.7	.0
TOT OBS	30	47	6	0	0	83		8.8	16	22	27	18
TOT PCT	36.1	56.6	7.2	.0	.0		100.0		100.0	100.0	100.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1937-1978
(OVER-ALL) 1856-1978

AREA 0001 NAURU IS. AND OCEAN IS.
.4S 167.9E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	6.3	.0	43.8	50.0	.0	.0	.0	10.4	100.0	16
06&09	4.5	9.1	59.1	27.3	.0	.0	.0	8.4	100.0	22
12&15	3.7	11.1	59.3	25.9	.0	.0	.0	8.8	100.0	27
18&21	.0	16.7	61.1	22.2	.0	.0	.0	7.7	100.0	18
TOT	3	8	47	25	0	0	0	8.8		83
PCT	3.6	9.6	56.6	30.1	.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.2	2.4	6.7	4.9		5.8
NE	1.2	3.0	13.4	4.9		6.1
E	7.3	16.5	8.5	.0		3.3
SE	2.4	4.9	5.5	2.4		4.6
S	.0	.0	.0	2.4		8.0
SW	.0	.0	.0	2.4		8.0
W	.0	1.8	.0	.0		3.0
NW	.0	.6	.0	.0		3.0
VAR	.0	.0	.0	.0		.0
CALM	4.9	.0	2.4	.0		2.6
TOT OBS	7	12	18	7	41	4.7
TOT PCT	17.1	29.3	36.6	17.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	2.4	2.4	.0	.0	.0	.0	.0	10.4	
NE	.0	.0	.0	2.4	.6	.0	.0	.0	.0	.0	19.5	
E	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	30.5	
SE	.0	.0	.0	4.9	.0	.0	.0	.0	.0	.0	10.4	
S	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.3	
TOT OBS	0	0	0	4	3	0	0	0	0	0	34	41
TOT PCT	.0	.0	.0	9.8	7.3	.0	.0	.0	.0	.0	82.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >2000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >1000	5.0	7.5	7.5	7.5	7.5	7.5	7.5	7.5
= OR >600	10.0	17.5	17.5	17.5	17.5	17.5	17.5	17.5
= OR >300	10.0	17.5	17.5	17.5	17.5	17.5	17.5	17.5
= OR >150	10.0	17.5	17.5	17.5	17.5	17.5	17.5	17.5
= OR > 0	10.0	17.5	17.5	17.5	17.5	17.5	17.5	17.5
TOTAL	4	7	7	7	7	7	7	7

TOTAL NUMBER OF OBS: 40 PCT FREQ NH <5/8: 82.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
8.9	20.0	22.2	20.0	11.1	11.1	2.2	.0	4.4	.0	45

FEBRUARY

PERIOD: (PRIMARY) 1937-1978
(OVER-ALL) 1856-1978

AREA 0001 NAURU IS. AND OCEAN IS.
.4S 167.9E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	1.6	.0	1.6	.0	.0	3.2	
	NO PCP	.0	.0	.8	.8	.0	.0	.0	.0	.0	.0	1.6	
	TOT %	.0	.0	.8	.8	.0	1.6	.0	1.6	.0	.0	4.8	
5<10	PCP	1.6	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	4.8	
	NO PCP	.0	4.4	2.0	4.8	1.6	.0	.0	.0	.0	.0	12.7	
	TOT %	1.6	6.0	2.0	6.3	1.6	.0	.0	.0	.0	.0	17.5	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	12.3	15.9	27.4	9.5	1.6	2.0	2.4	2.0	.0	4.8	77.8	
	TOT %	12.3	15.9	27.4	9.5	1.6	2.0	2.4	2.0	.0	4.8	77.8	
	TOT OBS												63
	TOT PCT	13.9	21.8	30.2	16.7	3.2	3.6	2.4	3.6	.0	4.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	1.5	.7	.7	.0	1.5	.0	1.5	.0		5.9	
	11-21	.0	.7	.7	.0	.0	.0	.0	.0	.0		1.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	2.2	1.5	.7	.0	1.5	.0	1.5	.0	.0	7.4	
5<10	0-3	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	1.5	
	4-10	1.5	.4	1.1	2.9	.0	.0	.0	.0	.0		5.9	
	11-21	.0	5.1	.7	1.5	1.5	.0	.0	.0	.0		8.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.5	5.9	1.8	5.9	1.5	.0	.0	.0	.0	.0	16.2	
10+	0-3	.0	1.8	4.8	2.2	1.5	.0	.0	.0	.0	4.4	14.7	
	4-10	9.5	9.2	16.9	5.1	.0	1.8	1.1	1.5	.0		41.2	
	11-21	9.9	5.9	5.9	1.5	.0	.0	1.1	.4	.0		20.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	11.4	16.9	27.6	8.8	1.5	1.8	2.2	1.8	.0	4.4	76.5	
	TOT OBS												68
	TOT PCT	12.9	24.6	30.9	18.4	2.9	3.3	2.2	3.3	.0	4.4	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1937-1978
(OVER-ALL) 1850-1978

AREA 0001 NAURU IS. AND OCEAN IS, -.4S 167.9E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	7.7	.0	.0	.0	.0	.0	.0	7.7	92.3	13
06&09	.0	.0	.0	16.7	8.3	.0	.0	.0	.0	.0	25.0	75.0	12
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	13
18&21	.0	.0	.0	16.7	33.3	.0	.0	.0	.0	.0	50.0	50.0	6
TOT	0	0	0	4	3	0	0	0	0	0	7	37	44
PCT	.0	.0	.0	9.1	6.8	.0	.0	.0	.0	.0	15.9	84.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	7.1	92.9	14
06&09	.0	.0	.0	5.6	16.7	77.8	18
12&15	.0	.0	.0	18.2	13.6	68.2	22
18&21	.0	.0	.0	.0	26.7	73.3	15
TOT	0	0	0	5	11	53	69
PCT	.0	.0	.0	7.2	15.9	76.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <5OVD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	8.3	.0	91.7	12
06&09	.0	.0	16.7	8.3	75.0	12
12&15	.0	.0	.0	.0	100.0	11
18&21	.0	.0	20.0	40.0	40.0	5
TOT	0	0	4	3	33	40
PCT	.0	.0	10.0	7.5	82.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	2.0	.0	.0	.0	2.0	2	4.1
85/89	.0	.0	.0	.0	6.1	14.3	.0	2.0	11	22.4
80/84	.0	.0	.0	.0	2.0	22.4	40.8	.0	32	65.3
75/79	.0	.0	.0	.0	.0	.0	2.0	6.1	4	8.2
TOTAL	0	0	0	1	4	18	21	5	49	100.0
PCT	.0	.0	.0	2.0	8.2	36.7	42.9	10.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	2.0	.0	.0	.0	.0	.0	2.0
3.6	4.6	9.7	.5	.0	.5	1.5	.0	.0	2.0
11.2	17.3	24.0	8.7	2.0	.0	.0	.0	.0	2.0
.0	8.2	.0	.0	.0	.0	.0	.0	.0	.0
14.8	30.1	33.7	11.2	2.0	.5	1.5	.0	.0	6.1

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	94	93	93	85	81	81	81	85.6	14
06&09	89	88	87	83	75	75	73	82.3	20
12&15	84	83	83	81	79	62	62	80.3	27
18&21	85	84	84	81	72	72	72	80.6	17
TOT	94	93	89	81	75	62	62	81.9	78

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	7.7	15.4	61.5	7.7	7.7	74	13
06&09	.0	.0	18.2	36.4	36.4	9.1	78	11
12&15	.0	.0	.0	29.5	64.7	11.8	83	17
18&21	.0	.0	.0	25.0	62.5	12.5	82	8
TOT	0	1	4	18	21	5	79	49

FEBRUARY

PERIOD: (PRIMARY) 1937-1978
(OVER-ALL) 1856-1978

TABLE 17

AREA 0001 NAURU IS. AND OCEAN IS.
.4S 167.9E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
7/8	.0	.0	.0	.0	.0	.0	1.9	1	.0	1.9
6	.0	.0	.0	.0	.0	3.8	.0	2	.0	3.8
5	.0	.0	.0	.0	1.9	.0	.0	1	.0	1.9
2	.0	.0	.0	3.8	3.8	3.8	.0	6	.0	11.5
1	.0	.0	.0	3.8	3.8	.0	.0	4	.0	7.7
0	.0	.0	1.9	11.5	.0	.0	.0	7	.0	13.5
-1	.0	.0	1.9	11.5	1.9	.0	.0	8	.0	15.4
-2	.0	.0	1.9	11.5	1.9	.0	.0	8	.0	15.4
-3	.0	.0	.0	9.6	.0	.0	.0	5	.0	9.6
-4	.0	.0	5.8	5.8	.0	.0	.0	6	.0	11.5
-5	.0	.0	1.9	.0	.0	.0	.0	1	.0	1.9
-7/-8	1.9	1.9	.0	.0	.0	.0	.0	2	.0	3.8
-9/-10	.0	1.9	.0	.0	.0	.0	.0	1	.0	1.9
TOTAL	1	2	7	30	7	4	1	52	0	52
PCT	1.9	3.8	13.5	57.7	13.5	7.7	1.9	100.0		100.0

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	7.2	2.0	.0	.0	.0	9.2
3-4	.0	2.6	4.6	.0	.0	.0	7.2
5-6	.0	.0	2.6	.0	.0	.0	2.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	9.9	9.2	.0	.0	.0	19.1

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.6	.0	.0	.0	.0	.0	2.6
1-2	.0	5.9	5.9	.0	.0	.0	11.8
3-4	.0	.0	.7	.0	.0	.0	.7
5-6	.0	.0	7.9	.0	.0	.0	7.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.6	5.9	14.5	.0	.0	.0	23.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	19.7	2.6	.0	.0	.0	22.4
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	5.3	.0	.0	.0	5.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	19.7	7.9	.0	.0	.0	27.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.9	2.6	.0	.0	.0	6.6
3-4	.0	2.6	.0	.0	.0	.0	2.6
5-6	.0	.0	2.6	.0	.0	.0	2.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.6	5.3	.0	.0	.0	11.8

PERIOD: (OVER-ALL) 1963-1978

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TABLE 18 (CONT)

AREA 0001 NAURU IS. AND OCEAN IS, .4S 167.9E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	2.6	.0	.0	.0	.0	2.6
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.7
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	2.6	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	2.6	.0	.0	.0	2.6	.0	3.3	.0	.0	.0	.0	3.3

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	2.0	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	2.0	.0	.0	.0	2.0	.0	.0	.7	.0	.0	.0	.7	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	2.0	2.0	.0	.0	.0	3.9	.0	.0	.7	.0	.0	.0	.7	92.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	10.5	2.6	.0	.0	.0	.0	13.2	
1-2	.0	39.5	13.2	.0	.0	.0	52.6	
3-4	.0	5.3	5.3	.0	.0	.0	10.5	
5-6	.0	.0	23.7	.0	.0	.0	23.7	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	10.5	47.4	42.1	.0	.0	.0	100.0	38

PERIOD: (OVER-ALL) 1950-1978

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.3	9.3	7.0	7.0	7.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	4
6-7	.0	4.7	9.3	7.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	4
8-9	.0	2.3	2.3	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
10-11	.0	2.3	4.7	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	4
12-13	.0	.0	.0	.0	2.3	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	8
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	2.3	7.0	4.7	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	2
TOTAL	2	11	12	9	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	43	4
PCT	4.7	25.6	27.9	20.9	16.3	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1934-1977
(OVER-ALL) 1870-1977

AREA 0001 NAURU IS. AND OCEAN IS.
-.65 167.8E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	28.6	.0	.0	.0	.0	.0	.0	71.4
NE	.0	.0	5.1	.0	.0	.0	.0	5.1	.0	.0	.0	.0	.0	.0	.0	94.9
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	.0	.0	.0	.0	.0	96.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	30.8	.0	.0	.0	.0	.0	.0	30.8	.0	.0	.0	.0	.0	.0	.0	69.2
W	57.1	.0	.0	.0	.0	.0	.0	57.1	.0	57.1	.0	.0	.0	.0	.0	42.9
NW	.0	80.0	.0	.0	.0	.0	.0	80.0	.0	.0	.0	.0	.0	.0	.0	20.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	3.3	1.7	1.7	.0	.0	.0	.0	6.7	1.7	3.3	.0	.0	.0	.0	.0	90.0
TOT OBS:	60															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	11.1	.0	.0	.0	.0	.0	.0	11.1	11.1	.0	.0	.0	.0	.0	.0	77.8
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12&15	5.9	5.9	.0	.0	.0	.0	.0	11.8	.0	11.8	.0	.0	.0	.0	.0	82.4
18&21	.0	.0	5.9	.0	.0	.0	.0	5.9	.0	.0	.0	.0	.0	.0	.0	94.1
TOT PCT	3.3	1.6	1.6	.0	.0	.0	.0	6.6	1.6	3.3	.0	.0	.0	.0	.0	90.2
TOT OBS:	61															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.6	4.3	.0	.0	.0	.0		4.9	8.3	19.4	.0	16.7	.0	.0	.0	7.5	3.3
NE	3.0	20.4	4.0	.0	.0	.0		27.4	7.9	16.7	.0	4.2	28.3	28.3	37.5	50.0	23.3
E	8.5	31.7	10.7	1.2	.0	.0		52.1	7.9	30.6	.0	58.3	67.4	43.3	62.5	20.0	66.7
SE	.0	3.0	.6	.0	.0	.0		3.7	9.5	11.1	.0	4.2	1.1	8.3	.0	.0	1.7
S	.0	.0	1.8	.0	.0	.0		1.8	11.5	.0	.0	.0	3.3	.0	.0	.0	5.0
SW	1.2	2.7	.0	.0	.0	.0		4.0	5.6	13.9	.0	.0	.0	.0	.0	20.0	.0
W	.0	3.4	.0	.0	.0	.0		3.4	7.9	8.3	.0	.0	.0	13.3	.0	.0	.0
NW	.0	1.5	.0	.0	.0	.0		1.5	5.8	.0	.0	.0	.0	6.7	.0	2.5	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.2							1.2	.0	.0	.0	16.7	.0	.0	.0	.0	.0
TOT OBS	12	55	14	1	0	0	82		7.8	9	0	6	23	15	4	10	15
TOT PCT	14.6	67.1	17.1	1.2	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.6	4.3	.0	.0	.0		4.9	8.3	19.4	3.4	.0	5.0
NE	7.6	19.8	.0	.0	.0		27.4	7.9	16.7	13.3	30.3	34.0
E	25.3	24.4	2.4	.0	.0		52.1	7.9	30.6	45.5	47.6	48.0
SE	.6	3.0	.0	.0	.0		3.7	9.5	11.1	1.7	6.6	1.0
S	.0	1.8	.0	.0	.0		1.8	11.5	.0	2.6	.0	3.0
SW	2.7	1.2	.0	.0	.0		4.0	9.6	13.9	.0	.0	8.0
W	.9	2.4	.0	.0	.0		3.4	7.9	8.3	.0	10.5	.0
NW	1.2	.3	.0	.0	.0		1.5	5.8	.0	.0	5.3	1.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.2						1.2	.0	.0	3.4	.0	.0
TOT OBS	33	47	2	0	0	82		7.8	9	29	19	25
TOT PCT	40.2	57.3	2.4	.0	.0		100.0		100.0	100.0	100.0	100.0

MARCH

PERIOD: (PRIMARY) 1934-1977
(OVER-ALL) 1870-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.6S 167.8E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	11.1	77.8	11.1	.0	.0	.0	7.7	100.0	9
06&09	3.4	13.8	65.5	13.8	3.4	.0	.0	7.4	100.0	29
12&15	.0	15.8	63.2	21.1	.0	.0	.0	8.0	100.0	19
18&21	.0	12.0	68.0	20.0	.0	.0	.0	8.2	100.0	25
TOT	1	11	55	14	1	0	0	7.8		82
PCT	1.2	13.4	67.1	17.1	1.2	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	6.0	.0	2.6		5.2
NE	7.8	5.2	4.3	6.9		4.6
E	9.5	19.8	6.0	5.2		4.1
SE	.0	.0	3.4	1.7		6.6
S	.0	.0	.0	.0		.0
SW	.0	.0	.9	6.9		7.8
W	.0	.0	2.6	3.4		7.5
NW	.0	.0	.0	4.3		8.0
VAR	.0	.0	.0	.0		.0
CALM	3.4	.0	.0	.0		2.0
TOT OBS	6	9	5	9	29	5.0
TOT PCT	20.7	31.0	17.2	31.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	6.0	
NE	.0	.0	.0	3.4	6.9	.0	.0	.0	.0	.0	13.8	
E	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	37.9	
SE	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	4.3	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	6.9	.9	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	3.4	2.6	.0	.0	.0	.0	.0	
NW	.0	.0	.9	3.4	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	
TOT OBS	0	0	1	3	5	1	0	0	0	0	19	29
TOT PCT	.0	.0	3.4	10.3	17.2	3.4	.0	.0	.0	.0	65.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >3QYD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
* OR >1000	10.0	16.7	20.0	20.0	20.0	20.0	20.0	20.0
* OR >600	16.7	23.3	30.0	30.0	30.0	30.0	30.0	30.0
* OR >300	20.0	26.7	33.3	33.3	33.3	33.3	33.3	33.3
* OR >150	20.0	26.7	33.3	33.3	33.3	33.3	33.3	33.3
* OR > 0	20.0	26.7	33.3	33.3	33.3	33.3	33.3	33.3
TOTAL	6	8	10	10	10	10	10	10

TOTAL NUMBER OF OBS: 30 PCT FREQ NH <5/8: 66.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.0	6.3	31.3	12.5	15.6	12.5	3.1	.0	18.8	.0	32

MARCH

PERIOD: (PRIMARY) 1934-1977
(OVER-ALL) 1870-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.6S 167.8E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	1.7	1.7	.0	.0	3.3	
	NO PCP	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	
	TOT %	1.7	.0	.0	.0	.0	.0	1.7	1.7	.0	.0	5.0	
5<10	PCP	.0	.0	.0	.0	.0	1.7	.0	.0	.0	.0	1.7	
	NO PCP	.0	8.3	1.7	.4	1.3	3.3	.0	.0	.0	.0	15.0	
	TOT %	.0	8.3	1.7	.4	1.3	5.0	.0	.0	.0	.0	16.7	
10+	PCP	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	1.7	
	NO PCP	4.2	22.5	40.4	4.6	1.3	.4	1.3	.4	.0	1.7	76.7	
	TOT %	4.2	24.2	40.4	4.6	1.3	.4	1.3	.4	.0	1.7	78.3	
	TOT OBS												60
	TOT PCT	5.8	32.5	42.1	5.0	2.5	5.4	2.9	2.1	.0	1.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	1.6	.0	.0	.0	.0	.0	1.6	1.6	.0		4.9	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.6	.0	.0	.0	.0	.0	1.6	1.6	.0	.0	4.9	
5<10	0-3	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	1.6	
	4-10	.0	6.6	1.6	.0	.0	3.3	.0	.0	.0		11.5	
	11-21	.0	1.6	.0	.4	1.2	.0	.0	.0	.0		3.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	8.2	1.6	.4	1.2	4.9	.0	.0	.0	.0	16.4	
10+	0-3	.0	3.3	4.9	.0	.0	.0	.0	.0	.0	1.6	9.8	
	4-10	4.1	16.8	25.4	4.1	.0	.4	1.2	.4	.0		52.5	
	11-21	.0	3.7	11.1	.4	1.2	.0	.0	.0	.0		16.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	4.1	23.8	41.4	4.5	1.2	.4	1.2	.4	.0	1.6	78.7	
	TOT OBS												61
	TOT PCT	5.7	32.0	43.0	4.9	2.5	5.3	2.9	2.0	.0	1.6	100.0	

MARCH

PERIOD: (PRIMARY) 1934-1977
(OVER-ALL) 1870-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.0S 167.8E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	14.3	14.3	.0	.0	.0	.0	28.6	71.4	7
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	6
12&15	.0	.0	.0	30.0	10.0	.0	.0	.0	.0	.0	40.0	60.0	10
18&21	.0	.0	12.5	.0	37.5	.0	.0	.0	.0	.0	50.0	50.0	8
TOT	0	0	1	3	5	1	0	0	0	0	10	21	31
PCT	.0	.0	3.2	9.7	16.1	3.2	.0	.0	.0	.0	32.3	67.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	11.1	11.1	77.8	9
06&09	.0	.0	.0	.0	22.2	77.8	18
12&15	.0	.0	.0	11.8	.0	88.2	17
18&21	.0	.0	.0	.0	27.8	72.2	18
TOT	0	0	0	3	10	49	62
PCT	.0	.0	.0	4.8	16.1	79.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <30YD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	28.6	71.4	7
06&09	.0	.0	.0	.0	100.0	6
12&15	.0	.0	44.4	.0	55.6	9
18&21	.0	12.5	12.5	37.5	50.0	8
TOT	0	1	5	5	20	30
PCT	.0	3.3	16.7	16.7	66.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	2.7	5.4	2.7	.0	4	10.8
80/84	.0	.0	.0	.0	.0	5.4	62.2	16.2	31	83.8
75/79	.0	.0	.0	.0	.0	.0	.0	5.4	2	5.4
TOTAL	0	0	0	0	1	4	24	8	37	100.0
PCT	.0	.0	.0	.0	2.7	10.8	64.9	21.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
2.7	.7	2.0	.7	2.0	.7	2.0	.0	.0	.0
2.0	23.6	35.1	7.4	2.0	2.7	5.4	2.7	.0	2.7
2.0	.0	.0	.0	.0	2.7	.0	.7	.0	.0
6.8	24.3	37.2	8.1	4.1	6.1	7.4	3.4	.0	2.7

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	89	88	88	82	76	76	76	82.6	9
06&09	88	87	85	82	78	78	78	81.7	29
12&15	84	83	83	81	79	79	79	81.3	19
18&21	83	82	82	81	79	78	78	81.0	25
TOT	89	88	84	81	78	76	76	81.5	82

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	14.3	28.6	42.9	14.3	80	7
06&09	.0	.0	.0	14.3	71.4	14.3	82	7
12&15	.0	.0	.0	.0	66.7	33.3	87	15
18&21	.0	.0	.0	11.1	77.8	11.1	85	9
TOT	0	0	1	4	25	8	84	38

MARCH

PERIOD: (PRIMARY) 1934-1977
(OVER-ALL) 1870-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.6S 167.8E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
11/13	.0	.0	.0	.0	2.0	1	.0	2.0
4	.0	.0	.0	2.0	.0	1	.0	2.0
1	.0	2.0	5.9	.0	2.0	5	.0	9.8
0	.0	2.0	25.5	.0	.0	14	.0	27.5
-1	.0	5.9	7.8	.0	.0	7	.0	13.7
-2	.0	3.9	11.8	.0	.0	8	.0	15.7
-3	.0	.0	7.8	.0	.0	4	.0	7.8
-4	.0	5.9	3.9	.0	.0	5	.0	9.8
-5	.0	2.0	5.9	.0	.0	4	.0	7.8
-7/-6	2.0	2.0	.0	.0	.0	2	.0	3.9
TOTAL	1		35		2		0	51
		12		1		51		
PCT	2.0	23.5	68.6	2.0	4.0	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	3.2	.0	.0	.0	.0	3.2
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	8.1	.0	.0	.0	.0	8.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	11.3	.0	.0	.0	.0	11.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	16.9	3.2	.0	.0	.0	20.2
3-4	.0	4.8	3.2	.0	.0	.0	8.1
5-6	.0	.0	.8	.0	.0	.0	.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	21.8	7.3	.0	.0	.0	29.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	13.7	3.2	.0	.0	.0	16.9
3-4	.0	5.6	16.1	.0	.0	.0	21.8
5-6	.0	.0	2.4	.0	.0	.0	2.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	19.4	21.8	.0	.0	.0	41.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.8	.0	.0	.0	.0	4.8
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.8	.0	.0	.0	.0	4.8

PERIOD: (OVER-ALL) 1964-1977

MARCH

AREA 0001 NAURU IS. AND OCEAN IS. .6S 167.8E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	4.0	.0	.0	.0	.0	4.0
1-2	.0	3.2	.0	.0	.0	.0	3.2
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.3	.0	.0	.0	.0	7.3

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.4	.0	.0	.0	.0	2.4
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.4	.0	.0	.0	.0	2.4

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	3.2	.0	.0	.0	.0	3.2	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.8	.0	.0	.0	.0	.8	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	4.0	.0	.0	.0	.0	4.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.1	12.5	.0	.0	.0	.0	15.6	
1-2	.0	37.5	6.3	.0	.0	.0	43.8	
3-4	.0	18.8	18.8	.0	.0	.0	37.5	
5-6	.0	.0	3.1	.0	.0	.0	3.1	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.1	68.8	28.1	.0	.0	.0	100.0	32

PERIOD: (OVER-ALL) 1964-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	9.1	18.2	3.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	3
6-7	.0	.0	3.0	12.1	9.1	3.0	3.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	7
8-9	.0	.0	6.1	6.1	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5
10-11	.0	.0	3.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	4
12-13	.0	.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	3.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	1
TOTAL	1	4	12	8	4	2	1	1	0	0	0	0	0	0	0	0	0	0	0	33	5
PCT	3.0	12.1	36.4	24.2	12.1	6.1	3.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1899-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.7S 167.0E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	.0	10.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	86.0
NE	.0	7.0	.0	.0	.0	.0	.0	7.0	14.0	.0	.0	.0	.0	.0	.0	78.9
E	.0	.0	.0	.0	.0	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	97.1
SE	.0	.0	.0	.0	.0	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	95.7
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	3.3	.0	.0	.0	.0	.0	3.3	5.0	.0	.0	.0	.0	.0	.0	91.7
TOT OBS:	60															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00&03	.0	8.3	.0	.0	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0	.0	91.7
06&09	.0	5.9	.0	.0	.0	.0	.0	5.9	.0	.0	.0	.0	.0	.0	.0	94.1
12&15	.0	.0	.0	.0	.0	.0	.0	.0	6.9	.0	.0	.0	.0	.0	.0	93.8
18&21	.0	.0	.0	.0	.0	.0	.0	.0	11.8	.0	.0	.0	.0	.0	.0	88.2
TOT PCT	.0	3.2	.0	.0	.0	.0	.0	3.2	4.8	.0	.0	.0	.0	.0	.0	91.9
TOT OBS:	62															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	6.7	1.3	.0	.0	.0		8.0	8.2	18.8	.0	.0	7.5	11.7	.0	.0	8.3
NE	1.3	16.7	3.2	.0	.0	.0		21.2	9.2	15.6	.0	17.3	22.5	8.3	16.7	35.4	27.8
E	12.8	24.0	12.2	.0	.0	.0		49.0	7.6	46.9	.0	59.6	50.0	46.7	50.0	47.9	41.7
SE	1.3	9.0	.0	.0	.0	.0		10.3	4.7	6.3	.0	7.7	.0	13.3	33.3	16.7	11.1
S	1.0	.0	.0	.0	.0	.0		1.0	2.0	4.7	.0	.0	.0	.0	.0	.0	.0
SW	.3	.0	.0	.0	.0	.0		.3	2.0	1.6	.0	.0	.0	.0	.0	.0	.0
W	.0	2.2	3.8	.0	.0	.0		6.1	14.2	6.3	.0	7.7	7.5	6.7	.0	.0	11.1
NW	.0	.3	.0	.0	.0	.0		.3	5.0	.0	.0	.0	2.5	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.8							3.8	.0	.0	.0	7.7	.0	13.3	.0	.0	.0
TOT OBS	16	46	16	0	0	0	78		7.7	16	0	13	10	15	3	12	9
TOT PCT	20.5	59.0	20.5	.0	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.2	5.8	.0	.0	.0		8.0	8.2	18.8	3.3	9.7	3.6
NE	2.9	16.3	1.9	.0	.0		21.2	9.2	15.6	23.9	9.7	32.1
E	24.4	22.8	1.9	.0	.0		49.0	7.6	46.9	55.4	47.2	45.2
SE	10.3	.0	.0	.0	.0		10.3	4.7	6.3	4.3	16.7	14.3
S	1.0	.0	.0	.0	.0		1.0	2.0	4.7	.0	.0	.0
SW	.3	.0	.0	.0	.0		.3	2.0	1.6	.0	.0	.0
W	1.0	1.3	3.8	.0	.0		6.1	14.2	6.3	7.6	5.6	4.8
NW	.3	.0	.0	.0	.0		.3	5.0	.0	1.1	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.8						3.8	.0	.0	4.3	11.1	.0
TOT OBS	36	36	6	0	0	78		7.7	16	23	18	21
TOT PCT	46.2	46.2	7.7	.0	.0		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1899-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.7S 167.8E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	12.5	43.8	43.8	.0	.0	.0	9.5	100.0	16
06&09	4.3	21.7	56.5	17.4	.0	.0	.0	7.6	100.0	23
12&15	11.1	11.1	66.7	11.1	.0	.0	.0	6.5	100.0	18
18&21	.0	19.0	66.7	14.3	.0	.0	.0	7.5	100.0	21
TOT	3	13	46	16	0	0	0	7.7		78
PCT	3.8	16.7	59.0	20.5	.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.4	.0	6.5	3.2		5.0
NE	10.5	9.7	.8	.0		2.3
E	16.1	11.3	12.1	3.2		3.6
SE	.0	1.6	3.2	.0		5.0
S	.0	.0	.0	.0		.0
SW	.0	.0	.0	.0		.0
W	.0	.0	9.7	.0		5.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	6.5	.0	3.2	.0		2.0
TOT OBS	11	7	11	2	31	3.6
TOT PCT	35.5	22.6	35.5	6.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	8.9	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21.0	
E	.0	.0	.0	.0	9.7	.0	.0	.0	.0	.0	33.1	
SE	.0	.0	.0	.0	.0	3.2	.0	.0	.0	.0	1.6	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	3.2	.0	.0	.0	.0	6.5	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.7	
TOT OBS	0	0	0	1	3	2	0	0	0	0	25	31
TOT PCT	.0	.0	.0	3.2	9.7	6.5	.0	.0	.0	.0	80.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >2000	3.1	6.3	6.3	6.3	6.3	6.3	6.3	6.3
= OR >1000	12.5	15.6	15.6	15.6	15.6	15.6	15.6	15.6
= OR >600	15.6	18.8	18.8	18.8	18.8	18.8	18.8	18.8
= OR >300	15.6	18.8	18.8	18.8	18.8	18.8	18.8	18.8
= OR >150	15.6	18.8	18.8	18.8	18.8	18.8	18.8	18.8
= OR > 0	15.6	18.8	18.8	18.8	18.8	18.8	18.8	18.8
TOTAL	5	6	6	6	6	6	6	6

TOTAL NUMBER OF OBS: 32 PCT FREQ NH <5/8: 81.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
11.1	22.2	25.0	13.9	8.3	11.1	5.6	.0	2.8	.0	36

APRIL

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1899-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.7S 167.8E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	1.7	
	NO PCP	.0	1.2	9.4	2.1	.0	.0	1.7	.0	.0	.0	10.0	
	TOT %	.0	2.9	9.4	2.1	.0	.0	1.7	.0	.0	.0	11.7	
10+	PCP	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	
	NO PCP	8.8	21.3	37.5	7.5	.0	.0	6.3	.4	.0	5.0	86.7	
	TOT %	10.4	21.3	37.5	7.5	.0	.0	6.3	.4	.0	5.0	88.3	
	TOT OBS												60
	TOT PCT	10.4	23.8	42.9	9.6	.0	.0	7.9	.4	.0	5.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	1.6	2.9	2.0	.0	.0	1.6	.0	.0		8.2	
	11-21	.0	.8	2.5	.0	.0	.0	.0	.0	.0		3.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	2.5	5.3	2.0	.0	.0	1.6	.0	.0	.0	11.5	
10+	0-3	.0	1.6	13.1	1.6	.0	.0	.0	.0	.0	4.9	21.3	
	4-10	8.6	16.4	20.1	5.7	.0	.0	1.2	.4	.0		52.5	
	11-21	1.6	2.9	5.3	.0	.0	.0	4.9	.0	.0		14.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	10.2	20.9	38.5	7.4	.0	.0	6.1	.4	.0	4.9	88.5	
	TOT OBS												61
	TOT PCT	10.2	23.4	43.9	9.4	.0	.0	7.8	.4	.0	4.9	100.0	

APRIL

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1899-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.75 167.8E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	7.7	15.4	.0	.0	.0	.0	.0	23.1	76.9	13
06&09	.0	.0	.0	.0	.0	12.5	.0	.0	.0	.0	12.5	87.5	8
12&15	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0	11.1	88.9	9
18&21	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	20.0	80.0	5
TOT	0	0	0	1	3	2	0	0	0	0	6	29	35
PCT	.0	.0	.0	2.9	8.6	5.7	.0	.0	.0	.0	17.1	82.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	7.7	92.3	13
06&09	.0	.0	.0	.0	29.4	70.6	17
12&15	.0	.0	.0	.0	6.3	93.8	16
18&21	.0	.0	.0	.0	5.9	94.1	17
TOT	0	0	0	0	8	55	63
PCT	.0	.0	.0	.0	12.7	87.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <90YD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	8.3	16.7	75.0	12
06&09	.0	.0	.0	12.5	87.5	8
12&15	.0	.0	.0	12.5	87.5	8
18&21	.0	.0	.0	25.0	75.0	4
TOT	0	0	1	5	26	32
PCT	.0	.0	3.1	15.6	81.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.0	8.9	13.3	.0	10	22.2
80/84	.0	.0	.0	.0	.0	13.3	53.3	4.4	32	71.1
75/79	.0	.0	.0	.0	.0	.0	.0	2.2	1	2.2
65/69	.0	.0	.0	.0	.0	.0	2.2	.0	1	2.2
60/64	.0	.0	.0	.0	.0	2.2	.0	.0	1	2.2
TOTAL	0	0	0	0	0	11	31	3	45	100.0
PCT	.0	.0	.0	.0	.0	24.4	68.9	6.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
2.2	2.2	8.9	4.4	.0	.0	4.4	.0	.0	.0
4.4	12.2	38.9	8.9	.0	.0	2.2	.0	.0	4.4
.0	.0	.0	.0	.0	.0	2.2	.0	.0	.0
2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
1.7	.6	.0	.0	.0	.0	.0	.0	.0	.0
10.6	15.0	47.8	13.3	.0	.0	8.9	.0	.0	4.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	90	89	89	85	66	66	66	83.8	17
06&09	89	88	86	83	80	80	80	83.0	24
12&15	91	90	90	82	64	64	64	81.0	19
18&21	87	86	85	82	78	77	77	81.6	21
TOT	91	90	88	82	77	64	64	82.3	81

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	.0	28.6	71.4	.0	80	14
06&09	.0	.0	10.0	40.0	50.0	.0	77	10
12&15	.0	.0	.0	23.1	61.5	15.4	83	13
18&21	.0	.0	.0	9.1	81.8	9.1	86	11
TOT	0	0	1	12	32	3	81	48

APRIL

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1899-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.7S 167.0E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
7/8	.0	.0	.0	.0	.0	.0	2.3	.0	1	.0	2.3
2	.0	.0	.0	.0	.0	2.3	2.3	2.3	3	.0	7.0
1	.0	.0	.0	.0	.0	2.3	7.0	2.3	5	.0	11.6
0	.0	.0	.0	.0	4.7	14.0	4.7	.0	10	.0	23.3
-1	.0	.0	.0	.0	2.3	11.6	2.3	.0	7	.0	16.3
-2	.0	.0	.0	2.3	2.3	16.3	.0	.0	9	.0	20.9
-3	.0	.0	.0	.0	4.7	4.7	.0	.0	4	.0	[illegible]
-4	.0	.0	.0	.0	.0	4.7	.0	.0	2	.0	4.7
-7/-5	.0	2.3	.0	.0	2.3	.0	.0	.0	2	.0	2.3
TOTAL	0		0		7		8			0	43
		1		1		24		2	43		
PCT	.0	2.3	.0	2.3	16.3	55.8	18.6	4.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	8.7	.0	.0	.0	.0	8.7
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	4.3	.0	.0	.0	.0	4.3
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	13.0	.0	.0	.0	.0	13.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.3	.0	.0	.0	.0	4.3
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	4.3	1.1	.0	.0	.0	5.4
7	.0	.0	4.3	.0	.0	.0	4.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	8.7	5.4	.0	.0	.0	14.1

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	7.6	.0	.0	.0	.0	7.6
3-4	.0	8.7	.0	.0	.0	.0	8.7
5-6	.0	8.7	12.0	.0	.0	.0	20.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	25.0	12.0	.0	.0	.0	37.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	5.4	.0	.0	.0	.0	5.4
3-4	.0	4.3	.0	.0	.0	.0	4.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	9.8	.0	.0	.0	.0	9.8

PERIOD: (OVER-ALL) 1963-1977 APRIL AREA 0001 NAURU IS. AND OCEAN IS. 0.75 167.8E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	8.7	.0	.0	.0	8.7
3-4	.0	.0	4.3	.0	.0	.0	4.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	13.0	.0	.0	.0	13.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	87.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	13.0	.0	.0	.0	.0	.0	13.0	
1-2	.0	26.1	8.7	.0	.0	.0	34.8	
3-4	.0	13.0	4.3	.0	.0	.0	17.4	
5-6	.0	13.0	13.0	.0	.0	.0	26.1	
7	.0	.0	4.3	.0	.0	.0	4.3	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	4.3	.0	.0	.0	.0	4.3	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	13.0	56.5	30.4	.0	.0	.0	100.0	23

PERIOD: (OVER-ALL) 1949-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	9.4	21.9	6.3	.0	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	4
6-7	.0	.0	12.5	15.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	4
8-9	.0	6.3	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3
10-11	.0	.0	.0	.0	3.1	.0	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	9
12-13	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	9.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	0
TOTAL	3	5	12	8	1	0	2	0	1	0	0	0	0	0	0	0	0	0	0	32	4
PCT	9.4	15.6	37.5	25.0	3.1	.0	6.3	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MAY

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1912-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.7S 167.8E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA						
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	10.8	.0	.0	.0	.0	.0	10.8	.0	.0	.0	.0	.0	.0	.0	89.2
E	2.1	.0	.0	.0	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	97.9
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	52.4	.0	.0	.0	.0	.0	52.4	.0	.0	9.5	.0	.0	.0	.0	38.1
SW	.0	9.1	.0	.0	.0	.0	.0	9.1	.0	.0	18.2	.0	.0	.0	.0	72.7
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	1.2	4.7	.0	.0	.0	.0	.0	5.8	.0	.0	1.2	.0	.0	.0	.0	93.0
TOT OBS:	86															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA						
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	4.2	.0	.0	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	95.8
06&09	5.0	10.0	.0	.0	.0	.0	.0	15.0	.0	.0	.0	.0	.0	.0	.0	85.0
12&15	.0	8.0	.0	.0	.0	.0	.0	8.0	.0	.0	4.0	.0	.0	.0	.0	88.0
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	1.1	5.7	.0	.0	.0	.0	.0	6.8	.0	.0	1.1	.0	.0	.0	.0	92.0
TOT OBS:	88															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	4.0	.0	.0	.0	.0		4.0	7.1	4.5	.0	.0	.0	3.1	.0	3.8	18.2
NE	1.0	6.4	3.3	.0	.0	.0		10.7	9.1	19.3	.0	7.8	7.7	6.3	.0	7.7	20.5
E	3.8	30.0	21.0	.0	.0	.0		54.8	9.4	69.3	100.0	45.3	51.9	45.8	62.5	53.8	50.0
SE	.0	9.0	2.4	.0	.0	.0		11.4	8.2	6.8	.0	9.4	17.3	11.5	12.5	25.0	2.3
S	1.4	2.9	.7	.0	.0	.0		5.0	6.7	.0	.0	6.3	.0	15.6	12.5	.0	.0
SW	1.4	1.0	.2	.0	.0	.0		2.6	4.5	.0	.0	6.3	.0	1.0	12.5	7.7	.0
W	1.0	.7	.0	.0	.0	.0		1.7	3.2	.0	.0	.0	13.5	.0	.0	.0	.0
NW	1.0	1.2	1.0	.0	.0	.0		3.1	6.8	.0	.0	6.3	9.6	4.2	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	6.7							6.7	.0	.0	.0	18.8	.0	12.5	.0	.0	9.1
TOT OBS	17	58	30	0	0	0	105		8.0	22	2	16	13	24	4	13	11
TOT PCT	16.2	55.2	28.6	.0	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.9	2.1	.0	.0	.0		4.0	7.1	4.2	.0	2.7	10.4
NE	2.6	7.9	.2	.0	.0		10.7	9.1	17.7	7.8	5.4	18.5
E	13.3	40.7	.7	.0	.0		54.8	9.4	71.9	48.3	48.2	53.1
SE	3.0	6.4	.0	.0	.0		11.4	8.2	6.3	12.9	11.6	14.6
S	3.3	1.0	.7	.0	.0		5.0	6.7	.0	3.4	15.2	.0
SW	2.4	.0	.2	.0	.0		2.6	4.5	.0	3.4	2.7	4.2
W	1.7	.0	.0	.0	.0		1.7	3.2	.0	6.0	.0	.0
NW	2.1	1.0	.0	.0	.0		3.1	6.8	.0	7.8	3.6	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	6.7						6.7	.0	.0	10.3	10.7	4.2
TOT OBS	41	62	2	0	0	105		8.0	24	29	28	24
TOT PCT	39.0	59.0	1.9	.0	.0		100.0		100.0	100.0	100.0	100.0

MAY

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1912-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.7S 167.8E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	8.3	45.8	45.8	.0	.0	.0	9.6	100.0	24
06&09	10.3	13.8	55.2	20.7	.0	.0	.0	7.3	100.0	29
12&15	10.7	7.1	53.6	28.6	.0	.0	.0	7.7	100.0	28
18&21	4.2	8.3	66.7	20.8	.0	.0	.0	7.7	100.0	24
TOT	7	10	58	30	0	0	0	8.0		105
PCT	6.7	9.5	55.2	28.6	.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.9	3.5	.0		5.4
NE	3.9	5.7	3.5	.0		3.6
E	13.2	20.2	21.1	1.8		4.0
SE	7.5	3.1	3.5	.0		2.7
S	1.8	.0	.0	1.3		4.0
SW	.0	3.5	.0	.4		3.5
W	.0	.0	.0	.0		.0
NW	.0	.0	1.8	.0		7.0
VAR	.0	.0	.0	.0		.0
CALM	.0	3.5	.0	.0		3.5
TOT OBS	15	21	19	2	57	3.8
TOT PCT	26.3	36.8	33.3	3.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 2499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	
NE	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	11.4	
E	.0	.0	.0	1.8	1.8	1.3	.0	.0	.0	.0	51.3	
SE	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	13.6	
S	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	1.8	
SW	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	3.5	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	
TOT OBS	0	0	0	2	2	1	0	0	0	0	52	57
TOT PCT	.0	.0	.0	3.5	3.5	1.8	.0	.0	.0	.0	91.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
* OR >1000	1.7	3.4	5.1	5.1	5.1	5.1	5.1	5.1
* OR >600	3.4	6.8	8.5	8.5	8.5	8.5	8.5	8.5
* OR >300	3.4	6.8	8.5	8.5	8.5	8.5	8.5	8.5
* OR >150	3.4	6.8	8.5	8.5	8.5	8.5	8.5	8.5
* OR > 0	3.4	6.8	8.5	8.5	8.5	8.5	8.5	8.5
TOTAL	2	4	5	5	5	5	5	5

TOTAL NUMBER OF OBS: 59

PCT FREQ NH <5/8: 91.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
6.7	10.0	38.3	25.0	11.7	5.0	1.7	.0	1.7	.0	60

MAY

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1912-1977

AREA 0001 NAURU IS. AND OCEAN IS.
-.7S 167.8E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	1.2	.0	.0	1.2	.0	.0	.0	.0	.0	2.3	
	NO PCP	.0	.0	.0	.0	.6	.6	.0	.0	.0	.0	1.2	
	TOT %	.0	1.2	.0	.0	1.7	.6	.0	.0	.0	.0	3.5	
5<10	PCP	.0	.0	.0	.0	2.0	.3	.0	.0	.0	.0	2.3	
	NO PCP	.0	.0	3.5	.0	.0	.0	.0	.0	.0	.0	3.5	
	TOT %	.0	.0	3.5	.0	2.0	.3	.0	.0	.0	.0	5.8	
10+	PCP	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	1.2	
	NO PCP	3.8	9.6	51.2	12.2	2.3	2.3	.0	1.2	.0	7.0	89.5	
	TOT %	3.8	9.6	52.3	12.2	2.3	2.3	.0	1.2	.0	7.0	90.7	
	TOT OBS												86
	TOT PCT	3.8	10.8	55.8	12.2	6.1	3.2	.0	1.2	.0	7.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.6	.6	.0	.0	.0	.0	1.1	
	4-10	.0	.0	.0	.0	1.1	.0	.0	.0	.0		1.1	
	11-21	.0	1.1	.0	.0	.0	.0	.0	.0	.0		1.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	1.1	.0	.0	1.7	.6	.0	.0	.0	.0	3.4	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	1.1	.0	1.1	.0	.0	.0	.0		2.2	
	11-21	.0	.0	2.2	.0	.8	.3	.0	.0	.0		3.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	3.4	.0	2.0	.3	.0	.0	.0	.0	5.6	
10+	0-3	.0	1.1	2.2	.0	1.1	1.1	.0	.0	.0	6.7	12.4	
	4-10	3.7	5.3	29.2	9.0	1.1	1.1	.0	1.1	.0		50.6	
	11-21	.0	2.8	22.5	2.8	.0	.0	.0	.0	.0		28.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	3.7	9.3	53.9	11.8	2.2	2.2	.0	1.1	.0	6.7	91.0	
	TOT OBS												89
	TOT PCT	3.7	10.4	57.3	11.8	3.9	3.1	.0	1.1	.0	6.7	100.0	

MAY

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1912-1977

AREA 0001 NAURU IS. AND OCEAN IS.
-.75 167.8E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	4.5	9.1	.0	.0	.0	.0	.0	13.6	86.4	22
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	14
12&15	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0	8.3	91.7	12
18&21	.0	.0	.0	.0	.0	8.3	.0	.0	.0	.0	8.3	91.7	12
TOT	0	0	0	2	2	1	0	0	0	0	5	55	60
PCT	.0	.0	.0	3.3	3.3	1.7	.0	.0	.0	.0	8.3	91.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	4.2	8.3	87.5	24
06&09	.0	.0	.0	5.0	5.0	90.0	20
12&15	.0	.0	.0	3.7	7.4	88.9	27
18&21	.0	.0	.0	.0	.0	100.0	20
TOT	0	0	0	3	5	83	91
PCT	.0	.0	.0	3.3	5.5	91.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	9.1	4.5	86.4	22
06&09	.0	.0	.0	.0	100.0	14
12&15	.0	.0	9.1	.0	90.9	11
18&21	.0	.0	.0	8.3	91.7	12
TOT	0	0	3	2	54	59
PCT	.0	.0	5.1	3.4	91.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.0	1.6	.0	.0	1	1.6
85/89	.0	.0	.0	.0	3.2	25.4	4.8	.0	21	33.3
80/84	.0	.0	.0	.0	.0	30.2	30.2	1.6	39	61.9
75/79	.0	.0	.0	.0	.0	.0	3.2	.0	2	3.2
TOTAL	0	0	0	0	2	36	24	1	63	100.0
PCT	.0	.0	.0	.0	3.2	57.1	38.1	1.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6
1.6	4.8	16.7	5.6	1.6	1.6	.0	1.6	.0	.0
3.6	6.3	36.5	4.4	2.8	2.0	.0	.0	.0	6.3
.0	.0	1.2	.4	1.6	.0	.0	.0	.0	.0
5.2	11.1	54.4	10.3	6.0	3.6	.0	1.6	.0	7.9

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	89	88	88	85	82	82	82	84.8	24
06&09	90	89	88	84	80	78	78	83.8	31
12&15	85	84	84	83	79	79	79	82.5	25
18&21	85	84	84	83	81	80	80	82.6	22
TOT	90	89	87	83	80	78	78	83.5	102

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	5.0	70.0	25.0	.0	76	20
06&09	.0	.0	7.1	50.0	42.9	.0	78	14
12&15	.0	.0	.0	38.9	55.6	5.6	82	18
18&21	.0	.0	.0	69.2	30.8	.0	79	13
TOT	0	0	2	37	25	1	79	65

MAY

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1912-1977

TABLE 17

AREA 0001 NAURU IS. AND OCEAN IS.
.7S 167.8E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
5	.0	.0	.0	1.3	1	.0	1.3
4	.0	1.3	.0	.0	1	.0	1.3
3	.0	.0	3.9	.0	3	.0	3.9
2	.0	5.2	2.6	.0	6	1.3	6.5
1	.0	5.2	11.7	2.6	15	.0	19.5
0	.0	19.5	6.5	.0	20	.0	26.0
-1	2.6	10.4	2.6	.0	12	.0	15.6
-2	.0	7.8	1.3	.0	7	.0	9.1
-3	2.6	2.6	1.3	.0	5	.0	6.5
-4	.0	6.5	.0	.0	5	.0	6.5
-5	.0	1.3	.0	.0	1	.0	1.3
-9/-10	1.3	.0	.0	.0	1	.0	1.3
TOTAL	5	46	23	3	77	1	76
PCT	6.5	59.7	29.9	3.9	100.0	1.3	98.7

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	6.1	.0	.0	.0	.0	6.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.1	.0	.0	.0	.0	6.1

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.2	.0	.0	.0	.0	.0	2.2
1-2	.0	5.0	2.2	.0	.0	.0	7.2
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	4.4	.0	.0	.0	4.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.2	5.0	6.7	.0	.0	.0	13.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	4.4	2.2	.0	.0	.0	6.7
1-2	.0	14.4	10.6	.0	.0	.0	25.0
3-4	.0	1.7	15.0	.0	.0	.0	16.7
5-6	.0	1.7	.0	.0	.0	.0	1.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	22.2	27.8	.0	.0	.0	50.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.3	2.8	.0	.0	.0	6.1
3-4	.0	.6	.6	.0	.0	.0	1.1
5-6	.0	.6	.0	.0	.0	.0	.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.4	3.3	.0	.0	.0	7.8

PERIOD: (OVER-ALL) 1963-1977

MAY

AREA 0001 NAURU IS. AND OCEAN IS, .7S 167.8E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	2.2	.0	.0	.0	.0	.0	2.2
1-2	2.2	2.2	.0	.0	.0	.0	4.4	.0	2.2	.0	.0	.0	.0	2.2
3-4	.0	2.2	.0	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.2	4.4	.0	.0	.0	.0	6.7	2.2	2.2	.0	.0	.0	.0	4.4

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	2.2	.0	.0	.0	.0	2.2	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	2.2	.0	.0	.0	.0	2.2	91.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	13.3	6.7	2.2	.0	.0	.0	22.2	
1-2	2.2	33.3	15.6	.0	.0	.0	51.1	
3-4	.0	4.4	15.6	.0	.0	.0	20.0	
5-6	.0	2.2	4.4	.0	.0	.0	6.7	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	15.6	46.7	37.8	.0	.0	.0	100.0	45

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.8	16.4	7.3	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	3
6-7	.0	5.5	14.5	14.5	5.5	1.8	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	5
8-9	.0	.0	3.6	1.8	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5
10-11	.0	5.5	1.8	.0	.0	1.8	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	5
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	3.6	.0	1.8	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	3
TOTAL	3	15	16	11	5	3	1	0	1	0	0	0	0	0	0	0	0	0	0	55	4
PCT	5.5	27.3	29.1	20.0	9.1	5.5	1.8	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1912-1977
(OVER-ALL) 1862-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.55 167.7E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	23.1	.0	.0	.0	.0	.0	.0	23.1	.0	.0	.0	.0	.0		.0	76.9
NE	.0	.0	.0	.0	.0	.0	.0	.0	5.9	.0	.0	.0	.0		.0	94.1
E	2.7	4.0	2.7	.0	.0	.0	.0	6.7	.0	.0	.0	.0	.0		.0	93.3
SE	.0	4.7	.0	.0	.0	.0	.0	4.7	.0	.0	.0	.0	.0		.0	95.3
S	.0	33.3	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0		.0	66.7
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
W	.0	50.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0		.0	50.0
NW	35.7	.0	.0	.0	.0	.0	.0	35.7	.0	.0	.0	.0	.0		.0	64.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	3.3	4.4	1.1	.0	.0	.0	.0	7.7	1.1	.0	.0	.0	.0		.0	91.2
TOT OBS:	91															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	4.5	.0	.0	.0	.0	.0	4.5	4.5	.0	.0	.0	.0		.0	90.9
06&09	3.6	7.1	.0	.0	.0	.0	.0	10.7	.0	.0	.0	.0	.0		.0	89.3
12&15	3.7	.0	3.7	.0	.0	.0	.0	3.7	.0	.0	.0	.0	.0		.0	96.3
18&21	6.7	6.7	.0	.0	.0	.0	.0	13.3	.0	.0	.0	.0	.0		.0	86.7
TOT PCT	3.3	4.3	1.1	.0	.0	.0	.0	7.6	1.1	.0	.0	.0	.0		.0	91.3
TOT OBS:	92															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)								HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.5	3.2	.0	.0	.0	.0		3.8	4.7	.0	.0	3.3	2.5	6.0	.0	5.4	5.2
NE	3.8	18.2	3.6	.0	.0	.0		25.5	7.1	10.2	.0	22.8	30.0	19.0	.0	17.9	48.3
E	3.2	21.2	13.7	.7	.0	.0		38.8	9.7	37.5	.0	37.0	42.5	38.8	.0	66.1	28.4
SE	1.3	9.2	7.9	.0	.0	.0		18.3	9.5	25.0	100.0	22.8	12.5	23.3	100.0	8.9	7.8
S	.4	2.7	.0	.0	.0	.0		3.1	7.2	.0	.0	4.3	2.5	6.0	.0	.0	3.4
SW	.0	1.4	.7	.0	.0	.0		2.2	10.0	4.5	.0	.0	.0	.0	.0	.0	6.9
W	.7	.7	.0	.0	.0	.0		1.4	3.5	4.5	.0	4.3	.0	.0	.0	.0	.0
NW	1.6	2.3	.0	.0	.0	.0		4.0	3.7	9.1	.0	5.4	10.0	.0	.0	1.8	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.9							2.9	.0	9.1	.0	.0	.0	6.9	.0	.0	.0
TOT OBS	20	82	36	1	0	0	139		8.1	22	1	23	20	29	1	14	29
TOT PCT	14.4	59.0	25.9	.7	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)				
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21	
N	3.8	.0	.0	.0	.0		3.8	4.7	.0	2.9	5.8	5.2	
NE	14.9	9.9	.7	.0	.0		25.5	7.1	9.8	26.2	18.3	38.4	
E	13.5	21.2	4.1	.0	.0		38.8	9.7	35.9	39.5	37.5	40.7	
SE	5.2	12.9	.2	.0	.0		18.3	9.5	28.3	18.0	25.8	8.1	
S	1.1	2.0	.0	.0	.0		3.1	7.2	.0	3.5	5.8	2.3	
SW	.7	1.4	.0	.0	.0		2.2	10.0	4.3	.0	.0	4.7	
W	1.4	.0	.0	.0	.0		1.4	3.5	4.3	2.3	.0	.0	
NW	4.0	.0	.0	.0	.0		4.0	3.7	8.7	7.6	.0	.6	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	2.9						2.9	.0	8.7	.0	6.7	.0	
TOT OBS	66	66	7	0	0	139		8.1	23	43	30	43	
TOT PCT	47.5	47.5	5.0	.0	.0		100.0		100.0	100.0	100.0	100.0	

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PERIOD: (PRIMARY) 1912-1977
(OVER-ALL) 1862-1977

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	8.7	8.7	39.1	43.5	.0	.0	.0	8.9	100.0	23
06&09	.0	11.6	62.8	25.6	.0	.0	.0	8.5	100.0	43
12&15	6.7	6.7	60.0	23.3	3.3	.0	.0	8.2	100.0	30
18&21	.0	16.3	69.1	18.6	.0	.0	.0	7.3	100.0	43
TOT	4	16	82	36	1	0	0	8.1		139
PCT	2.9	11.5	59.0	25.9	.7	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	1.0	2.1	.0		5.0
NE	8.9	4.5	5.8	.0		3.1
E	15.1	13.0	7.9	4.1		3.4
SE	7.5	5.8	7.2	1.4		4.0
S	.0	1.4	.0	.0		3.0
SW	.0	.0	.0	1.4		8.0
W	.0	.0	1.4	1.4		7.5
NW	.0	.3	3.1	1.4		6.4
VAR	.0	.0	.0	.0		.0
CALM	1.4	.0	1.4	2.7		5.7
TOT OBS	24	19	21	9	73	4.0
TOT PCT	32.9	26.0	28.8	12.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	2.1	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19.2	
E	.0	.0	.0	5.1	2.7	.0	.0	1.4	.0	.0	30.8	
SE	.0	.0	.0	.8	2.7	.0	.0	.0	.0	.0	18.8	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	
SW	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	
W	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	1.4	
NW	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	3.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	
TOT OBS	0	0	0	7	4	1	0	1	0	0	60	73
TOT PCT	.0	.0	.0	9.6	5.5	1.4	.0	1.4	.0	.0	82.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
= OR >3500	.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
= OR >2000	.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
= OR >1000	4.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
= OR >600	6.8	14.9	17.6	17.6	17.6	17.6	17.6	17.6
= OR >300	6.8	14.9	17.6	17.6	17.6	17.6	17.6	17.6
= OR >150	6.8	14.9	17.6	17.6	17.6	17.6	17.6	17.6
= OR > 0	6.8	14.9	17.6	17.6	17.6	17.6	17.6	17.6
TOTAL	5	11	13	13	13	13	13	13

TOTAL NUMBER OF OBS: 74 PCT FREQ NH <5/8: 82.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
2.6	22.1	23.4	19.5	14.3	7.8	2.6	2.6	5.2 .0	77

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PERIOD: (PRIMARY) 1912-1977
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	1.1	2.2	.0	.0	.0	.0	.0	.0	.0	3.3	
	TOT %	.0	1.1	2.2	.0	.0	.0	.0	.0	.0	.0	3.3	
5<10	PCP	.8	.0	2.2	.5	.5	.0	1.1	1.4	.0	.0	6.6	
	NO PCP	1.1	2.2	.5	.5	1.1	1.1	.0	.0	.0	.0	6.6	
	TOT %	1.9	2.2	2.7	1.1	1.6	1.1	1.1	1.4	.0	.0	13.2	
10+	PCP	.0	.0	.5	.5	.0	.0	.0	.0	.0	.0	1.1	
	NO PCP	1.6	19.4	35.4	22.0	.0	.0	1.1	2.5	.0	4.4	82.4	
	TOT %	1.6	19.4	36.0	22.5	.0	.0	1.1	2.5	.0	4.4	83.5	
TOT OBS													91
TOT PCT		3.6	18.7	40.9	23.6	1.6	1.1	2.2	3.8	.0	4.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	2.2	.0	.0	.0	.0	.0	.0		2.2	
	11-21	.0	1.1	.0	.0	.0	.0	.0	.0	.0		1.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	1.1	2.2	.0	.0	.0	.0	.0	.0	.0	3.3	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	1.9	2.2	1.1	.5	1.6	.0	1.1	1.4	.0		9.9	
	11-21	.0	.0	.5	.5	.0	1.1	.0	.0	.0		2.2	
	22+	.0	.0	1.1	.0	.0	.0	.0	.0	.0		1.1	
	TOT %	1.9	2.2	2.7	1.1	1.6	1.1	1.1	1.4	.0	.0	13.2	
10+	0-3	.8	3.6	3.0	1.1	.0	.0	1.1	1.4	.0	4.4	15.4	
	4-10	.8	9.6	16.8	10.2	.0	.0	.0	1.1	.0		38.5	
	11-21	.0	2.2	16.2	11.3	.0	.0	.0	.0	.0		29.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.6	19.4	36.0	22.5	.0	.0	1.1	2.5	.0	4.4	83.5	
TOT OBS													91
TOT PCT		3.6	18.7	40.9	23.6	1.6	1.1	2.2	3.8	.0	4.4	100.0	

JUNE

PERIOD: (PRIMARY) 1912-1977
(OVER-ALL) 1862-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.5S 167.7E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	4.5	9.1	4.5	.0	.0	.0	.0	18.2	81.8	22
06&09	.0	.0	.0	15.0	5.0	.0	.0	5.0	.0	.0	25.0	75.0	20
12&15	.0	.0	.0	4.5	4.5	.0	.0	.0	.0	.0	9.1	90.9	22
18&21	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	16.7	83.3	12
TOT	0	0	0	7	4	1	0	1	0	0	13	63	76
PCT	.0	.0	.0	9.2	5.3	1.3	.0	1.3	.0	.0	17.1	82.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	9.1	90.9	22
06&09	.0	.0	.0	7.1	17.9	75.0	28
12&15	.0	.0	.0	.0	11.1	88.9	27
18&21	.0	.0	.0	6.7	13.3	80.0	15
TOT	0	0	0	3	12	77	92
PCT	.0	.0	.0	3.3	13.0	83.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <500YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	4.5	13.6	81.8	22
06&09	.0	.0	15.0	10.0	75.0	20
12&15	.0	.0	4.8	4.8	90.5	21
18&21	.0	.0	18.2	.0	81.8	11
TOT	0	0	7	6	61	74
PCT	.0	.0	9.5	8.1	82.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	4.3	13.0	.0	.0	12	17.4
80/84	.0	.0	.0	.0	8.7	47.8	18.8	5.8	56	81.2
75/79	.0	.0	.0	.0	.0	1.4	.0	.0	1	1.4
TOTAL	0	0	0	0	9	43	13	4	69	100.0
PCT	.0	.0	.0	.0	13.0	62.3	18.8	5.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	2.9	7.2	5.8	.0	.0	.0	.0	.0	1.4
2.2	17.8	34.4	16.7	2.5	.0	1.4	1.8	.0	4.3
.0	.4	1.1	.0	.0	.0	.0	.0	.0	.0
2.2	21.0	42.8	22.5	2.5	.0	1.4	1.8	.0	5.8

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	89	88	88	85	82	82	82	85.0	21
06&09	88	87	86	83	82	80	80	83.3	42
12&15	84	83	83	82	80	79	79	82.2	31
18&21	85	84	84	82	79	78	78	82.4	40
TOT	89	88	87	83	80	79	78	83.1	134

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	27.8	61.1	5.6	5.6	74	18
06&09	.0	.0	23.5	70.6	5.9	.0	74	17
12&15	.0	.0	.0	65.2	34.8	.0	79	23
18&21	.0	.0	.0	41.7	33.3	25.0	82	12
TOT	0	0	9	43	14	4	77	70

JUNE

PERIOD: (PRIMARY) 1912-1977
(OVER-ALL) 1862-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.55 167.7E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
4	.0	.0	2.6	.0	2	.0	2.6
3	.0	.0	2.6	.0	2	.0	2.6
2	.0	3.8	1.3	.0	4	.0	5.1
1	.0	5.1	3.8	1.3	8	.0	10.3
0	.0	23.1	6.4	.0	23	.0	29.5
-1	.0	20.5	2.6	.0	18	.0	23.1
-2	1.3	11.5	1.3	.0	11	.0	14.1
-3	.0	7.7	.0	.0	6	.0	7.7
-4	2.6	.0	.0	.0	2	.0	2.6
-5	1.3	.0	.0	.0	1	.0	1.3
-7/-8	.0	1.3	.0	.0	1	.0	1.3
TOTAL	4	57	16	1	78	0	78
PCT	5.1	73.1	20.5	1.3	100.0		100.0

PERIOD: (OVER-ALL) 1962-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.6	.0	.0	.0	.0	1.6
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.6	.0	.0	.0	.0	1.6

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.1	.0	.0	.0	.0	.0	2.1
1-2	.5	7.8	.0	.0	.0	.0	8.3
3-4	.0	2.1	.0	.0	.0	.0	2.1
5-6	.0	4.2	2.1	.0	.0	.0	6.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.6	14.1	2.1	.0	.0	.0	18.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	1.6	9.4	.0	.0	.0	.0	10.9
3-4	.0	4.2	12.0	.0	.0	.0	16.1
5-6	.0	.0	7.8	.0	.0	.0	7.8
7	.0	.0	4.2	.0	.0	.0	4.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	13.5	24.0	.0	.0	.0	39.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	2.1	8.3	.0	.0	.0	.0	10.4
3-4	.0	4.2	6.8	.0	.0	.0	10.9
5-6	.0	4.2	4.7	.0	.0	.0	8.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.1	16.7	11.5	.0	.0	.0	30.2

PERIOD: (OVER-ALL) 1962-1977 JUNE AREA 0001 NAURU IS. AND OCEAN IS. .55 167.7E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	.0	.0	.0	2.1
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	.0	.0	.0	2.1

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	2.1	.0	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	2.1	.0	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	93.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	10.2	.0	.0	.0	.0	.0	10.2	
1-2	4.1	26.5	2.0	.0	.0	.0	32.7	
3-4	.0	12.2	18.4	.0	.0	.0	30.6	
5-6	.0	8.2	14.3	.0	.0	.0	22.4	
7	.0	.0	4.1	.0	.0	.0	4.1	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	14.3	46.9	38.8	.0	.0	.0	100.0	49

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	8.5	8.5	5.1	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	3
6-7	.0	.0	6.8	11.9	15.3	10.2	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28	6
8-9	.0	.0	6.8	6.8	3.4	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	5
10-11	.0	.0	1.7	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	3.4	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	1
TOTAL	2	6	14	16	12	6	2	1	0	0	0	0	0	0	0	0	0	0	0	59	5
PCT	3.4	10.2	23.7	27.1	20.3	10.2	3.4	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1936-1976
(OVER-ALL) 1864-1976

AREA 0001 NAURU IS. AND OCEAN IS.
.4S 168.4E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	ND SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	10.3	.0	.0	.0	.0	.0	10.3	.0	.0	.0	.0	.0	.0	.0	89.7
E	.0	1.8	.0	.0	.0	.0	.0	1.8	1.8	.0	.0	.0	.0	.0	.0	96.9
SE	.0	2.9	.0	.0	.0	.0	.0	2.9	.7	.0	.0	.0	.0	.0	.0	96.4
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	3.3	.0	.0	.0	.0	.0	3.3	.8	.0	.0	.0	.0	.0	.0	95.9
TOT OBS:	121															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	ND SIG WEA
00603	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
06609	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12615	.0	6.3	.0	.0	.0	.0	.0	6.3	3.1	.0	.0	.0	.0	.0	.0	90.6
18621	.0	4.7	.0	.0	.0	.0	.0	4.7	.0	.0	.0	.0	.0	.0	.0	95.3
TOT PCT	.0	3.1	.0	.0	.0	.0	.0	3.1	.8	.0	.0	.0	.0	.0	.0	96.1
TOT OBS:	129															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.9	1.7	.5	.0	.0	.0		3.1	5.7	4.8	.0	5.6	.0	3.9	3.1	5.9	2.0
NE	1.6	13.2	1.4	.0	.0	.0		16.2	7.1	23.8	.0	15.3	15.8	6.6	10.9	20.6	17.8
E	5.0	29.2	8.8	.5	.0	.0		43.6	8.0	35.7	.0	36.1	39.2	32.9	54.7	35.3	43.4
SE	5.0	17.0	4.6	.2	.0	.0		26.7	6.9	22.6	.0	22.2	16.7	40.8	28.1	38.2	26.3
S	.6	3.0	1.1	.0	.0	.0		4.7	7.6	8.3	.0	9.7	5.0	.0	3.1	.0	5.3
SW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.6	.6	.0	.0	.0	.0		1.3	5.5	.0	.0	5.6	5.3	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.4							4.4	.0	4.8	.0	5.6	.0	15.8	.0	.0	5.3
TOT OBS	29	103	26	1	0	0	159		7.1	21	0	18	30	19	16	17	38
TOT PCT	18.2	64.8	16.4	.6	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)				
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21	
N	3.0	1.1	.0	.0	.0		3.1	5.7	4.8	2.1	3.6	3.2	
NE	7.9	8.3	.0	.0	.0		16.2	7.1	23.8	15.4	8.8	18.4	
E	21.1	19.7	2.8	.0	.0		43.6	8.0	35.7	39.3	42.0	40.9	
SE	16.8	9.0	.9	.0	.0		26.7	6.9	22.6	18.8	35.0	30.0	
S	2.5	2.2	.0	.0	.0		4.7	7.6	8.3	6.8	1.4	3.6	
SW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
NW	.6	.6	.0	.0	.0		1.3	5.5	.0	4.2	.0	.0	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	4.4						4.4	.0	4.8	2.1	8.8	3.6	
TOT OBS	88	65	6	0	0	159		7.1	21	48	35	35	
TOT PCT	55.3	40.9	3.8	.0	.0		100.0		100.0	100.0	100.0	100.0	

JULY

PERIOD: (PRIMARY) 1936-1976
(OVER-ALL) 1864-1976

AREA 0001 NAURU IS. AND OCEAN IS.
.4S 168.4E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	4.8	4.8	61.9	23.8	4.8	.0	.0	8.9	100.0	21
06&09	2.1	20.8	66.7	10.4	.0	.0	.0	6.8	100.0	48
12&15	8.6	14.3	65.7	11.4	.0	.0	.0	5.8	100.0	35
18&21	3.6	10.9	63.6	21.8	.0	.0	.0	7.5	100.0	55
TOT	7	22	103	26	1	0	0	7.1		139
PCT	4.4	13.8	64.8	16.4	.6	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.7	.0	1.7	1.3		5.4
NE	7.3	3.9	6.5	2.2		4.3
E	11.6	9.5	16.8	1.7		3.8
SE	6.9	13.4	6.0	.0		3.4
S	.0	4.3	.0	.0		4.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	1.7	.0		6.0
VAR	.0	.0	.0	.0		.0
CALM	1.7	.0	1.7	.0		3.0
TOT OBS	17	18	20	3	58	3.9
TOT PCT	29.3	31.0	34.5	5.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	1.3	.0	1.7	.0	.0	.0	1.7	
NE	.0	.0	1.7	.4	5.6	.0	.0	.0	.0	.0	12.1	
E	.0	.0	.0	1.3	3.0	1.3	.0	.0	.0	.0	34.1	
SE	.0	.0	.0	.0	.4	2.2	.0	.0	.0	.0	23.7	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	
TOT OBS	0	0	1	1	6	2	1	0	0	0	47	58
TOT PCT	.0	.0	1.7	1.7	10.3	3.4	1.7	.0	.0	.0	81.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
* OR >2000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
* OR >1000	10.9	10.9	14.1	14.1	14.1	14.1	14.1	14.1
* OR >600	12.5	12.5	15.6	15.6	15.6	15.6	15.6	15.6
* OR >300	14.1	14.1	17.2	17.2	17.2	17.2	17.2	17.2
* OR >150	14.1	14.1	17.2	17.2	17.2	17.2	17.2	17.2
* OR > 0	14.1	14.1	17.2	17.2	17.2	17.2	17.2	17.2
TOTAL	9	9	11	11	11	11	11	11

TOTAL NUMBER OF OBS: 64

PCT FREQ NH <5/8: 82.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.0	19.4	17.9	26.9	16.4	6.0	6.0	3.0	1.5	.0	67

JULY

PERIOD: (PRIMARY) 1936-1976
(OVER-ALL) 1864-1976

AREA 0001 NAURU IS. AND OCEAN IS.
.4S 168.4E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.8	
	NO PCP	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	
	TOT %	.0	.0	.8	.8	.0	.0	.0	.0	.0	.0	1.7	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.8	.6	.2	.0	.0	.0	.0	.0	.0	1.7	
	TOT %	.0	.8	.6	.2	.0	.0	.0	.0	.0	.0	1.7	
5<10	PCP	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.8	
	NO PCP	.0	2.5	2.5	4.1	.0	.0	.0	.0	.0	.0	9.1	
	TOT %	.0	3.3	2.5	4.1	.0	.0	.0	.0	.0	.0	9.9	
10+	PCP	.0	.8	.8	.0	.0	.0	.0	.0	.0	.0	1.7	
	NO PCP	2.7	11.2	41.5	23.6	2.9	.0	.0	.8	.0	2.5	85.1	
	TOT %	2.7	12.0	42.4	23.6	2.9	.0	.0	.8	.0	2.5	86.8	
	TOT OBS												121
	TOT PCT	2.7	16.1	46.3	28.7	2.9	.0	.0	.8	.0	2.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.8	.8	.0	.0	.0	.0	.0		1.6	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.8	.8	.0	.0	.0	.0	.0	.0	1.6	
2<5	0-3	.0	.0	.0	.4	.4	.0	.0	.0	.0	.0	.8	
	4-10	.0	.0	.6	.2	.0	.0	.0	.0	.0		.8	
	11-21	.0	.8	.0	.0	.0	.0	.0	.0	.0		.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.8	.6	.6	.4	.0	.0	.0	.0	.0	2.5	
5<10	0-3	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	
	4-10	.0	2.9	.4	3.3	.0	.0	.0	.0	.0		6.6	
	11-21	.0	.4	1.2	.8	.0	.0	.0	.0	.0		2.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	3.3	2.5	4.1	.0	.0	.0	.0	.0	.0	9.8	
10+	0-3	1.2	2.0	4.9	6.1	.4	.0	.0	.0	.0	2.5	17.2	
	4-10	1.4	9.8	29.3	14.1	1.0	.0	.0	.8	.0		56.6	
	11-21	.0	.0	7.2	2.9	1.4	.0	.0	.0	.0		11.5	
	22+	.0	.0	.6	.4	.0	.0	.0	.0	.0		.8	
	TOT %	2.7	11.9	42.0	23.4	2.9	.0	.0	.8	.0	2.5	86.1	
	TOT OBS												122
	TOT PCT	2.7	16.0	45.9	28.9	3.3	.0	.0	.8	.0	2.5	100.0	

JULY

PERIOD: (PRIMARY) 1930-1970
(OVER-ALL) 1864-1970

AREA 0001 NAURU IS. AND OCEAN IS.
.4S 166.4E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
0003	.0	.0	.0	.0	23.5	.0	5.9	.0	.0	.0	29.4	70.6	17
0609	.0	.0	.0	.0	.0	13.3	.0	.0	.0	.0	13.3	86.7	15
1215	.0	.0	6.3	.0	6.3	.0	.0	.0	.0	.0	12.5	87.5	16
1821	.0	.0	.0	5.3	5.3	.0	.0	.0	.0	.0	10.5	89.5	19
TOT	0	0	1	1	6	2	1	0	0	0	11	56	67
PCT	.0	.0	1.5	1.5	9.0	3.0	1.5	.0	.0	.0	16.4	83.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0003	.0	.0	.0	5.3	.0	94.7	19
0609	.0	.0	.0	.0	14.3	85.7	35
1215	.0	.0	6.1	3.0	6.1	84.8	33
1821	.0	.0	.0	2.3	14.0	83.7	43
TOT	0	0	2	3	13	112	130
PCT	.0	.0	1.5	2.3	10.0	86.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
0003	.0	.0	5.9	23.5	70.6	17
0609	.0	.0	.0	13.3	86.7	15
1215	.0	6.7	13.3	6.7	80.0	15
1821	.0	.0	11.8	.0	88.2	17
TOT	0	1	5	7	52	64
PCT	.0	1.6	7.8	10.9	81.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	1.4	11.0	.0	.0	9	12.3
80/84	.0	.0	.0	.0	5.5	41.1	27.4	9.6	61	83.6
75/79	.0	.0	.0	.0	.0	.0	1.4	2.7	3	4.1
TOTAL	0	0	0	0	5	38	21	9	73	100.0
PCT	.0	.0	.0	.0	6.8	52.1	28.8	12.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
1.4	2.7	5.1	3.1	.0	.0	.0	.0	.0	.0
3.8	14.4	33.9	22.3	2.4	.0	.0	.0	.0	6.8
.0	.0	1.0	1.7	1.4	.0	.0	.0	.0	.0
5.1	17.1	40.1	27.1	3.8	.0	.0	.0	.0	6.8

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0003	88	87	87	84	82	82	82	84.3	21
0609	88	87	86	82	79	79	79	82.7	48
1215	84	83	83	81	79	77	77	81.5	38
1821	85	84	84	82	79	77	77	81.6	57
TOT	88	87	86	82	79	77	77	82.2	164

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0003	.0	.0	.0	84.2	15.8	.0	75	19
0609	.0	.0	18.8	37.5	25.0	18.8	78	16
1215	.0	.0	9.1	54.5	31.8	4.5	79	22
1821	.0	.0	.0	40.9	36.4	22.7	83	22
TOT	0	0	3	43	22	9	79	79

JULY

PERIOD: (PRIMARY) 1936-1976
(OVER-ALL) 1864-1976

AREA 0001 NAURU IS. AND OCEAN IS.
.4S 168.4E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	TOT	W FOG	WO FOG
5	.0	.0	.8	1	.0	.8
4	.0	.0	.8	1	.0	.8
3	.0	.8	.8	2	.0	1.7
2	.0	6.7	4.2	13	.0	10.9
1	.8	5.0	.0	7	.0	5.9
0	.0	17.6	.8	22	.0	18.5
-1	1.7	9.2	1.7	15	.0	12.6
-2	.8	29.4	.0	36	.0	30.3
-3	.0	5.9	.0	7	.0	5.9
-4	5.9	3.4	.0	11	.0	9.2
-5	.8	1.7	.0	3	.0	2.5
-7/-8	.8	.0	.0	1	.0	.8
TOTAL	13		11		0	119
		95		119		
PCT	10.9	79.8	9.2	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.3	.0	.0	.0	.0	4.3
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.3	.0	.0	.0	.0	4.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.4	.0	.0	.0	.0	.0	2.4
1-2	2.4	11.6	.0	.0	.0	.0	14.0
3-4	.0	3.0	2.4	.0	.0	.0	5.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.4	17.1	2.4	.0	.0	.0	22.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	21.3	2.4	.0	.0	.0	23.8
3-4	.0	3.7	9.1	1.8	.0	.0	14.6
5-6	.0	.0	1.8	.0	.0	.0	1.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	25.0	13.4	1.8	.0	.0	40.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.4	.0	.0	.0	.0	2.4
1-2	.0	14.8	.6	.0	.0	.0	15.2
3-4	.0	.6	.6	.6	.0	.0	1.8
5-6	.0	.0	.6	.0	.0	.0	.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	17.7	1.8	.6	.0	.0	20.1

PERIOD: (OVER-ALL) 1968-1976 JULY AREA 0001 NAURU IS. AND OCEAN IS, .4S 168.4E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.8	1.8	.0	.0	.0	3.7	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	2.4	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.8	4.3	.0	.0	.0	6.1	.0	.0	.0	.0	.0	.0	.0

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	2.4	.0	.0	.0	.0	2.4	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	2.4	.0	.0	.0	.0	2.4	95.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	14.9	4.3	.0	.0	.0	.0	19.1	
1-2	4.3	48.9	4.3	.0	.0	.0	57.4	
3-4	.0	6.4	12.8	2.1	.0	.0	21.3	
5-6	.0	.0	2.1	.0	.0	.0	2.1	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	19.1	59.6	19.1	2.1	.0	.0	100.0	47

PERIOD: (OVER-ALL) 1969-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	9.8	14.8	19.4	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	26	4
6-7	.0	.0	8.2	19.4	1.6	1.6	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	5
8-9	.0	.0	13.1	6.6	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	4
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	3.3	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	2
TOTAL	0	8	23	24	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	61	4
PCT	.0	13.1	37.7	39.3	4.9	1.6	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1884-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.5S 167.6E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA						
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NE	.0	4.7	.0	.0	.0	.0	.0	4.7	.0	.0	.0	.0	.0		.0	95.3
E	1.8	5.5	.0	.0	.0	.0	.0	7.3	.0	3.6	.0	.0	.0		.0	89.1
SE	9.0	.0	.0	.0	.0	.0	.0	9.0	.0	.0	.0	.0	.0		.0	91.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	3.2	3.2	.0	.0	.0	.0	.0	6.3	.0	1.6	.0	.0	.0		.0	92.1
TOT OBS:	63															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA						
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00&03	.0	6.7	.0	.0	.0	.0	.0	6.7	.0	.0	.0	.0	.0		.0	93.3
06&09	5.0	5.0	.0	.0	.0	.0	.0	10.0	.0	5.0	.0	.0	.0		.0	85.0
12&15	5.6	.0	.0	.0	.0	.0	.0	5.6	.0	.0	.0	.0	.0		.0	94.4
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	3.0	3.0	.0	.0	.0	.0	.0	6.1	.0	1.5	.0	.0	.0		.0	92.4
TOT OBS:	66															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	1.3	.0	.0	.0	.0		1.3	4.5	.0	.0	.0	.0	3.0	.0	10.7	.0
NE	1.1	11.0	4.4	.0	.0	.0		16.4	8.6	10.3	.0	8.9	14.9	20.0	.0	35.7	15.8
E	3.1	35.5	7.2	.0	.0	.0		45.8	7.9	36.8	100.0	19.6	57.3	50.0	.0	28.6	52.6
SE	3.9	16.4	5.9	.0	.0	.0		26.3	7.1	41.2	.0	51.8	19.4	20.0	.0	10.7	21.1
S	.7	1.5	.0	.0	.0	.0		2.2	3.8	5.9	.0	5.4	.0	3.0	.0	.0	.0
SW	.0	1.1	.0	.0	.0	.0		1.1	5.6	.0	.0	1.8	.0	4.0	.0	.0	.0
W	.0	2.4	.0	.0	.0	.0		2.4	6.9	5.9	.0	5.4	3.2	.0	.0	.0	.0
NW	.0	.9	.9	.0	.0	.0		1.8	9.0	.0	.0	7.1	.0	.0	.0	.0	5.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.6							2.6	.0	.0	.0	.0	3.2	.0	.0	14.3	5.3
TOT OBS	13	80	21	0	0	0	114		7.4	17	1	14	31	25	0	7	19
TOT PCT	11.4	70.2	18.4	.0	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.3	.0	.0	.0	.0		1.3	4.5	.0	.0	3.0	2.9
NE	7.0	8.6	.9	.0	.0		16.4	8.6	9.7	14.4	20.0	21.2
E	21.9	21.1	2.9	.0	.0		45.8	7.9	40.3	45.6	50.0	46.2
SE	15.8	9.9	.7	.0	.0		26.3	7.1	38.9	29.4	20.0	18.3
S	2.2	.0	.0	.0	.0		2.2	3.8	5.6	1.7	3.0	.0
SW	.9	.2	.0	.0	.0		1.1	5.6	.0	.6	4.0	.0
W	.9	1.5	.0	.0	.0		2.4	6.9	5.6	3.9	.0	.0
NW	.9	.9	.0	.0	.0		1.8	9.0	.0	2.2	.0	3.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.6						2.6	.0	.0	2.2	.0	7.7
TOT OBS	61	48	5	0	0	114		7.4	18	45	25	26
TOT PCT	53.5	42.1	4.4	.0	.0		100.0		100.0	100.0	100.0	100.0

AUGUST

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1884-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.5S 167.6E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	83.3	16.7	.0	.0	.0	8.6	100.0	18
06&09	2.2	13.3	62.2	22.2	.0	.0	.0	7.2	100.0	45
12&15	.0	8.0	76.0	16.0	.0	.0	.0	6.8	100.0	25
18&21	7.7	7.7	69.2	15.4	.0	.0	.0	7.5	100.0	26
TOT	3	10	80	21	0	0	0	7.4		114
PCT	2.6	8.8	70.2	18.4	.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.9	.0	1.9	.0		4.0
NE	4.4	8.1	9.4	2.5		4.5
E	9.4	9.4	15.0	.0		4.2
SE	4.4	12.5	9.4	.0		4.1
S	.0	.0	1.9	.0		5.0
SW	.0	.0	.6	.0		7.0
W	.0	2.5	1.9	.0		5.2
NW	.0	.0	2.5	.0		6.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	2.5	.0		5.0
TOT OBS	8	13	18	1	40	4.4
TOT PCT	20.0	32.5	45.0	2.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	1.9	
NE	.0	.0	.0	.0	.6	2.5	.0	.0	.0	.0	21.3	
E	.0	.0	2.5	.0	.0	.0	1.3	.0	.0	.0	30.0	
SE	.0	.0	.0	.0	2.5	.0	3.8	.0	.0	.0	20.0	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	
TOT OBS	0	0	1	0	2	1	2	0	0	0	34	40
TOT PCT	.0	.0	2.5	.0	5.0	2.5	5.0	.0	.0	.0	85.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	2.4	4.8	4.8	4.8	4.8	4.8	4.8	4.8
* OR >2000	4.8	7.1	7.1	7.1	7.1	7.1	7.1	7.1
* OR >1000	9.5	11.9	11.9	11.9	11.9	11.9	11.9	11.9
* OR >600	11.9	14.3	14.3	14.3	14.3	14.3	14.3	14.3
* OR >300	11.9	14.3	16.7	16.7	16.7	16.7	16.7	16.7
* OR >130	11.9	14.3	16.7	16.7	16.7	16.7	16.7	16.7
* OR > 0	11.9	14.3	16.7	16.7	16.7	16.7	16.7	16.7
TOTAL	5	6	7	7	7	7	7	7

TOTAL NUMBER OF OBS: 42

PCT FREQ NH <5/8: 85.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
2.0	6.0	28.0	28.0	22.0	6.0	4.0	4.0	.0	.0	50

AUGUST

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1884-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.55 167.6E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	1.6	
	TOT %	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	1.6	
5<10	PCP	.0	.0	.8	.8	.0	.0	.0	.0	.0	.0	1.6	
	NO PCP	.0	2.0	7.5	3.2	.0	.0	.0	1.6	.0	.0	14.3	
	TOT %	.0	2.0	8.3	4.0	.0	.0	.0	1.6	.0	.0	15.9	
10+	PCP	.0	.8	2.4	1.6	.0	.0	.0	.0	.0	.0	4.8	
	NO PCP	2.4	14.3	31.3	21.0	2.4	.4	2.8	1.6	.0	1.6	77.8	
	TOT %	2.4	15.1	33.7	22.6	2.4	.4	2.8	1.6	.0	1.6	82.5	
	TOT OBS												63
	TOT PCT	2.4	17.1	43.7	28.6	2.4	.4	2.8	3.2	.0	1.6	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	1.6	.0	.0	.0	.0	.0	.0		1.6	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	1.6	
5<10	0-3	.0	.4	1.2	3.2	.0	.0	.0	.0	.0	.0	4.8	
	4-10	.0	.0	7.1	.8	.0	.0	.0	1.6	.0		9.5	
	11-21	.0	1.6	.0	.0	.0	.0	.0	.0	.0		1.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	2.0	8.3	4.0	.0	.0	.0	1.6	.0	.0	15.9	
10+	0-3	.0	.0	.0	2.0	1.2	.0	.0	.0	.0	1.6	4.8	
	4-10	2.4	11.9	28.2	16.7	1.2	.4	2.8	.0	.0		63.5	
	11-21	.0	3.2	5.6	4.0	.0	.0	.0	1.6	.0		14.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	2.4	15.1	33.7	22.6	2.4	.4	2.8	1.6	.0	1.6	82.5	
	TOT OBS												63
	TOT PCT	2.4	17.1	43.7	28.6	2.4	.4	2.8	3.2	.0	1.6	100.0	

AUGUST

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1884-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.5S 167.0E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	15
06&09	.0	.0	7.7	.0	7.7	.0	7.7	.0	.0	.0	23.1	76.9	13
12&15	.0	.0	.0	6.7	6.7	.0	6.7	.0	.0	.0	20.0	80.0	15
18&21	.0	.0	.0	.0	.0	14.3	.0	.0	.0	.0	14.3	85.7	7
TOT	0	0	1	1	2	1	2	0	0	0	7	43	50
PCT	.0	.0	2.0	2.0	4.0	2.0	4.0	.0	.0	.0	14.0	86.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	.0	100.0	15
06&09	.0	.0	.0	5.0	20.0	75.0	20
12&15	.0	.0	.0	.0	11.1	88.9	18
18&21	.0	.0	.0	.0	30.8	69.2	13
TOT	0	0	0	1	10	55	66
PCT	.0	.0	.0	1.5	15.2	83.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	.0	100.0	12
06&09	.0	9.1	9.1	18.2	72.7	11
12&15	.0	.0	8.3	16.7	75.0	12
18&21	.0	.0	.0	14.3	85.7	7
TOT	0	1	2	5	35	42
PCT	.0	2.4	4.8	11.9	83.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	3.2	.0	.0	.0	.0	2	3.2
85/89	.0	.0	.0	.0	4.8	11.3	3.2	.0	12	19.4
80/84	.0	.0	.0	.0	8.1	29.0	33.9	3.2	46	74.2
75/79	.0	.0	.0	.0	.0	.0	1.6	1.6	2	3.2
TOTAL	0	0	0	2	8	25	24	3	62	100.0
PCT	.0	.0	.0	3.2	12.9	40.3	38.7	4.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0
	.0	2.8	5.2	8.1	.0	.4	2.8	.0	.0	.0
	2.4	13.7	32.3	20.2	2.4	1.6	.0	.0	.0	1.6
	.0	.0	1.6	.0	.0	.0	.0	1.6	.0	.0
	2.4	19.8	39.1	28.2	2.4	2.0	2.8	1.6	.0	1.6

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	89	88	88	85	79	79	79	84.6	20
06&09	88	87	86	82	80	79	79	82.6	45
12&15	91	90	90	82	80	79	79	82.6	26
18&21	87	86	86	83	81	80	80	83.2	25
TOT	91	90	88	83	80	79	79	83.1	116

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	16.7	66.7	16.7	.0	75	18
06&09	.0	.0	6.5	51.3	43.8	18.8	82	16
12&15	.0	8.7	13.0	30.4	47.8	.0	77	23
18&21	.0	.0	12.5	25.0	62.5	.0	78	8
TOT	0	2	8	26	26	3	78	65

AUGUST

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1884-1977

TABLE 17

AREA 0001 NAURU IS. AND OCEAN IS.
.5S 167.0E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	89 92	TOT	N FOG	WD FOG
6	.0	.0	.0	1.8	1	.0	1.8
4	.0	.0	5.3	1.8	4	.0	7.0
3	.0	1.8	1.8	.0	2	.0	3.5
2	.0	3.5	5.3	.0	5	.0	8.8
1	.0	5.3	.0	.0	3	.0	5.3
0	.0	14.0	5.3	.0	11	.0	19.3
-1	.0	17.5	.0	.0	10	.0	17.5
-2	1.8	17.5	3.5	.0	13	.0	22.8
-3	1.8	5.3	.0	.0	4	.0	7.0
-4	3.5	.0	.0	.0	2	.0	3.5
-5	1.8	.0	.0	.0	1	.0	1.8
-6	.0	1.8	.0	.0	1	.0	1.8
TOTAL	5		12			0	57
		38		2	57		
PCT	8.8	66.7	21.1	3.5	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YOY PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	9.0	.0	.0	.0	.0	9.0
1-2	.7	3.6	.0	.0	.0	.0	4.3
3-4	.0	2.1	2.8	.0	.0	.0	4.9
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	2.8	.0	.0	.0	2.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YOY PCT	.7	10.7	5.6	.0	.0	.0	22.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	4.9	.0	.0	.0	.0	4.9
1-2	2.1	19.4	.0	.0	.0	.0	21.5
3-4	.0	8.3	.0	.0	.0	.0	8.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	2.8	.0	.0	.0	2.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	2.8	.0	.0	.0	2.8
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YOY PCT	2.1	32.6	5.6	.0	.0	.0	40.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	6.3	.0	.0	.0	.0	.0	6.3
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	12.5	.0	.0	.0	.0	12.5
5-6	.0	.0	2.8	.0	.0	.0	2.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YOY PCT	6.3	12.5	2.8	.0	.0	.0	21.5

PERIOD: (OVER-ALL) 1963-1977 AUGUST AREA 0001 NAURU IS. AND OCEAN IS. .55 167.6E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.1	.0	.0	.0	.0	.0	2.1
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	2.1	.0	.0	.0	.0	2.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.1	2.1	.0	.0	.0	.0	4.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.7	.0	.0	.0	.0	.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.7	.0	.0	.0	.0	.7

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	4.9	.0	.0	.0	.0	4.9
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.9	.0	.0	.0	.0	4.9

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	2.8	.0	.0	.0	2.8
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	2.8	.0	.0	.0	2.8

HGT	TOTAL PCT
<1	
1-2	2.8
3-4	
5-6	
7	
8-9	
10-11	
12	
13-16	
17-19	
20-22	
23-25	
26-32	
33-40	
41-48	
49-60	
61-70	
71-86	
87+	
TOT PCT	97.2

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	17.9	12.8	.0	.0	.0	.0	30.8	
1-2	2.6	23.1	2.6	.0	.0	.0	28.2	
3-4	.0	28.2	2.6	.0	.0	.0	30.8	
5-6	.0	.0	2.6	.0	.0	.0	2.6	
7	.0	.0	5.1	.0	.0	.0	5.1	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	2.6	.0	.0	.0	2.6	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	20.5	64.1	15.4	.0	.0	.0	100.0	39

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.7	14.0	16.3	9.3	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	3
6-7	.0	2.3	14.0	14.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	4
8-9	.0	.0	.0	2.3	.0	4.7	.0	2.3	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	9
10-11	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	4.7	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	1
TOTAL	4	8	13	12	1	3	0	1	1	0	0	0	0	0	0	0	0	0	0	43	4
PCT	9.3	18.6	30.2	27.9	2.3	7.0	.0	2.3	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1912-1977
(OVER-ALL) 1906-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.55 167.6E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	3.6	.0	.0	.0	.0	.0	3.6	2.7	.0	.0	.0	.0	.0	.0	93.7
SE	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	98.0
S	16.7	.0	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0	83.3
SW	10.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	90.0
W	.0	.0	.0	.0	.0	.0	.0	.0	8.1	.0	.0	.0	.0	.0	.0	91.9
NW	13.8	.0	.0	.0	.0	.0	.0	13.8	3.4	.0	.0	.0	.0	.0	.0	82.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	2.7	1.4	.0	.0	.0	.0	.0	4.1	2.7	.0	.0	.0	.0	.0	.0	93.2
TOT OBS:	73															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	5.3	.0	.0	.0	.0	.0	.0	94.7
06&09	4.5	4.5	.0	.0	.0	.0	.0	9.1	.0	.0	.0	.0	.0	.0	.0	90.9
12&15	.0	.0	.0	.0	.0	.0	.0	.0	5.3	.0	.0	.0	.0	.0	.0	94.7
18&21	4.8	.0	.0	.0	.0	.0	.0	4.8	.0	.0	.0	.0	.0	.0	.0	95.2
TOT PCT	2.5	1.2	.0	.0	.0	.0	.0	3.7	2.5	.0	.0	.0	.0	.0	.0	93.8
TOT OBS:	81															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.8	.0	.0	.0	.0	.0		.8	2.0	.0	.0	.0	.0	.0	16.7	.0	1.6
NE	7.1	16.4	1.2	.0	.0	.0		24.7	5.4	8.3	100.0	8.8	37.5	15.0	33.3	6.7	37.8
E	7.4	18.1	6.3	.7	.0	.0		32.4	7.4	39.3	.0	38.8	33.0	23.8	16.7	36.7	31.4
SE	3.5	10.2	1.8	.0	.0	.0		15.5	6.8	19.0	.0	7.4	13.2	31.3	16.7	23.3	8.0
S	.0	3.0	.0	.0	.0	.0		3.0	6.3	4.8	.0	14.7	.0	5.0	.0	.0	.0
SW	.7	1.6	.3	.0	.0	.0		2.6	6.2	.0	.0	14.7	.0	.0	.0	.0	3.2
W	.7	6.9	2.1	.0	.0	.0		9.7	8.5	17.9	.0	5.9	5.6	13.8	.0	11.7	8.9
NW	1.0	3.6	2.1	.0	.0	.0		6.7	8.9	10.7	.0	5.9	1.8	6.3	16.7	15.0	9.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.6							4.6	.0	.0	.0	5.9	7.1	5.0	.0	6.7	4.8
TOT OBS	39	91	21	1	0	0	152		6.6	21	1	17	28	20	3	18	47
TOT PCT	25.7	59.9	13.8	.7	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.8	.0	.0	.0	.0		.8	2.0	.0	.0	2.2	1.2
NE	17.9	6.7	.0	.0	.0		24.7	5.4	12.3	26.7	17.4	30.2
E	16.3	14.8	1.3	.0	.0		32.4	7.4	27.3	34.4	22.8	32.7
SE	7.4	8.1	.0	.0	.0		15.5	6.8	18.2	12.2	29.3	11.7
S	2.3	.7	.0	.0	.0		3.0	6.3	6.3	5.6	4.3	.0
SW	1.6	1.0	.0	.0	.0		2.6	6.2	.0	5.6	.0	2.4
W	3.6	5.4	.7	.0	.0		9.7	8.5	17.0	5.6	12.0	9.3
NW	2.6	3.5	.7	.0	.0		6.7	8.9	10.2	3.5	7.6	7.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.6						4.6	.0	.0	6.7	4.3	4.8
TOT OBS	87	61	4	0	0	152		6.6	22	45	23	62
TOT PCT	57.2	40.1	2.6	.0	.0		100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1912-1977
(OVER-ALL) 1906-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.5S 167.6E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	13.6	54.5	27.3	4.5	.0	.0	8.9	100.0	22
06&09	6.7	20.0	60.0	13.3	.0	.0	.0	6.5	100.0	45
12&15	4.3	17.4	65.2	13.0	.0	.0	.0	6.9	100.0	23
18&21	4.8	25.8	59.7	9.7	.0	.0	.0	5.7	100.0	62
TOT	7	32	91	21	1	0	0	6.6		152
PCT	4.6	21.1	59.9	13.8	.7	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	4.4	2.2	.0	.0		2.3
E	14.4	5.6	10.6	.0		3.1
SE	10.0	3.3	2.2	.0		2.6
S	.0	2.2	2.2	3.9		5.8
SW	.0	.0	2.2	2.8		6.6
W	.0	.0	8.3	8.3		7.2
NW	2.2	2.2	5.0	2.8		4.6
VAR	.0	.0	.0	.0		.0
CALM	4.4	.0	.0	.0		2.0
TOT OBS	16	7	14	8	45	4.2
TOT PCT	35.6	15.6	31.1	17.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 2499	2500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	
E	.0	.0	.0	2.2	2.2	.0	.0	.0	.0	.0	26.1	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.1	
S	.0	.0	.0	3.9	.0	.0	.0	.0	.0	.0	4.4	
SW	.0	.0	.0	.6	2.2	.0	.0	.0	.0	.0	2.2	
W	.0	.0	.0	.0	8.3	2.2	.0	.0	.0	.0	6.1	
NW	.0	.0	.0	2.2	2.8	.0	.0	.0	.0	.0	7.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	
TOT OBS	0	0	0	4	7	1	0	0	0	0	33	45
TOT PCT	.0	.0	.0	8.9	15.6	2.2	.0	.0	.0	.0	73.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
* OR >1000	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
* OR >600	17.6	23.5	23.5	23.5	23.5	23.5	23.5	23.5
* OR >300	17.6	23.5	23.5	23.5	23.5	23.5	23.5	23.5
* OR >150	17.6	23.5	23.5	23.5	23.5	23.5	23.5	23.5
* OR > 0	17.6	23.5	23.5	23.5	23.5	23.5	23.5	23.5
TOTAL	9	12	12	12	12	12	12	12

TOTAL NUMBER OF OBS: 51 PCT FREQ NH <5/8: 76.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
1.6	20.6	25.4	17.5	14.3	7.9	.0	4.8	7.9	.0	63

SEPTEMBER

PERIOD: (PRIMARY) 1912-1977
(OVER-ALL) 1906-1977

AREA 0001 NAURU IS, AND OCEAN IS.
.5S 167.6E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	1.0	.3	.0	1.4	.0	.0	2.7	
	NO PCP	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	1.4	
	TOT %	.0	.0	.0	.0	2.4	.3	.0	1.4	.0	.0	4.1	
10+	PCP	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	1.4	
	NO PCP	.7	9.6	36.6	16.8	3.8	3.1	12.7	8.4	.0	2.7	94.5	
	TOT %	.7	9.6	38.0	16.8	3.8	3.1	12.7	8.4	.0	2.7	95.9	
	TOT OBS												73
	TOT PCT	.7	9.6	38.0	16.8	6.2	3.4	12.7	9.9	.0	2.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	2.3	.3	.0	.0	.0		2.6	
	11-21	.0	.0	.0	.0	.0	.0	.0	1.3	.0		1.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	2.3	.3	.0	1.3	.0	.0	3.9	
10+	0-3	.6	3.9	8.1	3.6	.0	1.3	1.3	1.9	.0	2.6	23.4	
	4-10	.0	4.2	17.9	13.6	3.6	1.6	7.1	3.2	.0		51.2	
	11-21	.0	1.0	8.8	1.9	.0	.0	3.6	2.9	.0		18.2	
	22+	.0	.0	1.3	.0	.0	.0	.0	.0	.0		1.3	
	TOT %	.6	9.1	36.0	21.1	3.6	2.9	12.0	8.1	.0	2.6	96.1	
	TOT OBS												77
	TOT PCT	.6	9.1	36.0	21.1	5.8	3.2	12.0	9.4	.0	2.6	100.0	

PERIOD: (PRIMARY) 1912-1977
(OVER-ALL) 1906-1977

SEPTEMBER

AREA 0001 NAURU IS. AND OCEAN IS.
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NN >4/8) AND OCCURRENCE OF NN <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NN <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	9.5	9.5	.0	.0	.0	.0	10.5	89.5	19
06&09	.0	.0	.0	12.5	12.5	.0	.0	.0	.0	.0	25.0	75.0	16
12&15	.0	.0	.0	.0	15.4	.0	.0	.0	.0	.0	15.4	84.6	13
18&21	.0	.0	.0	14.3	14.3	.0	.0	.0	.0	.0	28.6	71.4	14
TOT	0	0	0	4	7	1	0	0	0	0	12	50	62
PCT	.0	.0	.0	6.5	11.3	1.6	.0	.0	.0	.0	19.4	80.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	.0	100.0	20
06&09	.0	.0	.0	.0	9.1	90.9	22
12&15	.0	.0	.0	.0	.0	100.0	21
18&21	.0	.0	.0	.0	4.5	95.5	22
TOT	0	0	0	0	3	82	85
PCT	.0	.0	.0	.0	3.5	96.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NN >4/8), BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND5+	NN <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	14.3	85.7	14
06&09	.0	.0	14.3	14.3	71.4	14
12&15	.0	.0	.0	15.4	84.6	13
18&21	.0	.0	20.0	20.0	60.0	10
TOT	0	0	4	8	39	51
PCT	.0	.0	7.8	15.7	76.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	1.8	10.9	3.6	.0	9	16.4
80/84	.0	.0	.0	.0	3.6	47.3	27.3	1.8	44	80.0
75/79	.0	.0	.0	.0	.0	.0	3.6	.0	2	3.6
TOTAL	0	0	0	0	3	32	19	1	55	100.0
PCT	.0	.0	.0	.0	5.5	58.2	34.5	1.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	3.6	5.5	1.8	1.8	.0	1.8	1.8	.0	.0
.0	3.6	29.3	12.3	3.6	3.6	15.0	8.6	.0	3.6
.0	.0	.0	.0	1.4	.5	.0	1.8	.0	.0
.0	7.3	35.0	14.1	6.8	4.1	16.8	12.3	.0	3.6

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	93	92	87	85	89	82	82	85.0	23
06&09	86	85	85	83	81	78	78	82.7	47
12&15	84	83	83	82	80	79	79	81.9	23
18&21	84	83	83	82	80	79	79	82.1	60
TOT	93	87	86	82	80	79	78	82.7	153

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	9.5	61.9	28.6	.0	77	21
06&09	.0	.0	7.7	61.5	30.8	.0	79	13
12&15	.0	.0	.0	46.7	46.7	6.7	82	15
18&21	.0	.0	.0	50.0	42.9	7.1	81	14
TOT	0	0	3	35	23	2	79	63

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PERIOD: (PRIMARY) 1912-1977
(OVER-ALL) 1906-1977

TABLE 17

AREA 0001 NAURU IS. AND OCEAN IS.
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PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	TOT	W FOG	WO FOG
9/10	.0	.0	1.6	1	.0	1.6
4	.0	.0	1.6	1	.0	1.6
3	.0	1.6	3.2	3	.0	4.8
2	.0	3.5	1.6	5	.0	8.1
1	.0	14.5	4.8	12	.0	19.4
0	1.6	11.3	3.2	10	.0	16.1
-1	1.6	16.1	3.2	13	.0	21.0
-2	1.6	4.8	.0	4	.0	6.5
-3	3.2	4.8	.0	5	.0	8.1
-4	.0	4.8	.0	3	.0	4.8
-5	1.6	4.8	.0	4	.0	6.5
-7/-6	1.6	.0	.0	1	.0	1.6
TOTAL	7		12		0	62
		43		62		
PCT	11.3	69.4	19.3	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	6.8	.0	.0	.0	.0	6.8
1-2	.0	.6	.6	.0	.0	.0	1.1
3-4	.0	.0	1.1	.0	.0	.0	1.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.4	1.7	.0	.0	.0	9.1

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	4.5	.0	.0	.0	.0	4.5
1-2	.0	10.8	1.7	.0	.0	.0	12.5
3-4	.0	5.7	5.1	2.3	.0	.0	13.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	2.3	.0	.0	.0	2.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	21.0	9.1	2.3	.0	.0	32.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	6.8	2.3	.0	.0	.0	9.1
3-4	.0	1.1	.6	.0	.0	.0	1.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	8.0	2.8	.0	.0	.0	10.8

PERIOD: (OVER-ALL) 1963-1977 SEPTEMBER AREA 0001 NAURU IS. AND OCEAN IS.
.5S 167.6E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.3	.0	.0	.0	.0	2.3	2.3	.0	.0	.0	.0	.0	2.3
1-2	.0	1.7	.0	.0	.0	.0	1.7	.0	2.8	.0	.0	.0	.0	2.8
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.0	.0	.0	.0	.0	4.0	2.3	2.8	.0	.0	.0	.0	5.1

	W							NW						TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	2.3	2.3	.0	.0	.0	.0	4.5	2.3	.0	.0	.0	.0	.0	2.3	
1-2	.0	8.0	1.7	.0	.0	.0	9.7	.0	5.7	7.4	.0	.0	.0	13.1	
3-4	.0	2.3	4.5	.0	.0	.0	6.8	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.3	12.5	6.3	.0	.0	.0	21.0	2.3	5.7	7.4	.0	.0	.0	15.3	97.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	18.0	14.0	.0	.0	.0	.0	32.0	
1-2	2.0	32.0	12.0	.0	.0	.0	46.0	
3-4	.0	8.0	10.0	2.0	.0	.0	20.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	2.0	.0	.0	.0	2.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	20.0	54.0	24.0	2.0	.0	.0	100.0	50

PERIOD: (OVER-ALL) 1954-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	5.7	22.6	1.9	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	3
6-7	.0	1.9	22.6	13.2	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	4
8-9	.0	1.9	5.7	3.8	1.9	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	5
10-11	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	2
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	9.4	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	1
TOTAL	5	6	28	10	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	53	3
PCT	9.4	11.3	52.8	18.9	5.7	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1923-1977
(OVER-ALL) 1906-1977

AREA 0001 NAURU IS. AND OCEAN IS, -.5 167.5E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0		.0	50.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	3.4	.0	.0	.0	.0		.0	96.6
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	3.4	.0	.0	.0	.0		.0	96.6
TOT OBS:	59															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
06&09	.0	5.9	.0	.0	.0	.0	.0	5.9	5.9	.0	.0	.0	.0		.0	88.2
12&15	.0	.0	.0	.0	.0	.0	.0	.0	4.5	.0	.0	.0	.0		.0	95.5
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	.0	1.6	.0	.0	.0	.0	.0	1.6	3.3	.0	.0	.0	.0		.0	95.1
TOT OBS:	61															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	3.2	4.0	.8	.0	.0	.0		8.0	5.1	.0	.0	7.1	12.0	.0	.0	12.5	12.5
NE	5.8	9.6	1.0	.0	.0	.0		16.4	5.8	.0	.0	16.1	7.4	8.0	.0	15.6	34.2
E	6.6	23.2	5.8	.0	.0	.0		35.6	7.2	64.6	.0	33.9	30.6	48.0	.0	68.8	16.4
SE	6.8	9.6	3.6	.0	.0	.0		20.0	6.0	18.8	.0	35.7	24.1	28.0	.0	9.1	10.5
S	1.4	4.0	.0	.0	.0	.0		5.4	4.6	8.3	.0	.0	8.3	4.0	.0	.0	7.9
SW	.8	.8	.0	.0	.0	.0		1.6	3.5	.0	.0	.0	3.7	.0	.0	.0	2.6
W	.0	1.8	.0	.0	.0	.0		1.8	5.5	.0	.0	.0	.0	3.0	.0	.0	3.9
NW	.2	4.6	.0	.0	.0	.0		4.8	5.3	8.3	.0	7.1	4.6	9.0	.0	.0	3.9
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	6.4							6.4	.0	.0	100.0	.0	11.1	4.0	.0	.0	7.9
TOT OBS	39	72	14	0	0	0	125		5.8	12	1	14	27	25	0	8	38
TOT PCT	31.2	57.6	11.2	.0	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	5.6	2.4	.0	.0	.0		8.0	5.1	.0	10.4	.0	12.5
NE	9.8	6.6	.0	.0	.0		16.4	5.8	.0	10.4	8.0	31.0
E	18.0	17.6	.0	.0	.0		35.6	7.2	59.6	31.7	48.0	25.5
SE	13.0	7.0	.0	.0	.0		20.0	6.0	17.3	28.0	28.0	9.2
S	4.6	.8	.0	.0	.0		5.4	4.6	7.7	4.3	4.0	6.5
SW	1.6	.0	.0	.0	.0		1.6	3.5	.0	2.4	.0	2.2
W	1.4	.4	.0	.0	.0		1.8	5.5	.0	.0	3.0	3.3
NW	4.4	.4	.0	.0	.0		4.8	5.3	7.7	5.3	3.0	3.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	6.4						6.4	.0	7.7	7.3	4.0	6.5
TOT OBS	81	44	0	0	0	125		5.8	13	41	25	46
TOT PCT	64.8	35.2	.0	.0	.0		100.0		100.0	100.0	100.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1923-1977
(OVER-ALL) 1906-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.6S 167.5E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	7.7	.0	69.2	23.1	.0	.0	.0	7.6	100.0	13
06&09	7.3	31.7	48.8	12.2	.0	.0	.0	5.0	100.0	41
12&15	4.0	16.0	76.0	4.0	.0	.0	.0	6.8	100.0	25
18&21	6.5	30.4	52.2	10.9	.0	.0	.0	5.3	100.0	46
TOT	8	31	72	14	0	0	0	5.8		125
PCT	6.4	24.8	57.6	11.2	.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	2.0	2.0	.0		4.8
NE	4.4	3.9	2.0	.0		3.1
E	23.0	17.6	13.2	.0		3.2
SE	9.8	3.9	6.4	.0		3.1
S	.0	3.9	.0	.0		4.0
SW	.0	.0	.0	.0		.0
W	1.5	.0	.0	.0		1.0
NW	2.5	.0	2.0	.0		3.2
VAR	.0	.0	.0	.0		.0
CALM	2.0	.0	.0	.0		.0
TOT OBS	22	16	13	0	51	3.1
TOT PCT	43.1	31.4	25.5	.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	
NE	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	8.3	
E	.0	.0	.0	2.0	.0	2.0	.0	.0	.0	.0	50.0	
SE	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	18.1	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	
NW	.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	2.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	
TOT OBS	0	0	0	3	0	1	1	0	0	0	46	51
TOT PCT	.0	.0	.0	5.9	.0	2.0	2.0	.0	.0	.0	90.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) • OR >10	• OR >5	• OR >2	• OR >1	• OR >1/2	• OR >1/4	• OR >.5YD	• OR >0
• OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
• OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
• OR >3500	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
• OR >2000	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
• OR >1000	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
• OR >600	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
• OR >300	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
• OR >150	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
• OR > 0	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
TOTAL	5	5	5	5	5	5	5	5

TOTAL NUMBER OF OBS: 51 PCT FREQ NH <5/8: 90.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
5.9	19.6	39.2	15.7	9.8	5.9	2.0	2.0	.0	.0	51

OCTOBER

PERIOD: (PRIMARY) 1928-1977
(OVER-ALL) 1906-1977

TABLE 8

AREA 0001 NAURU IS. AND OCEAN IS.
.6S 167.5E

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	3.4	12.7	49.6	24.2	3.4	.0	1.3	3.8	.0	1.7	100.0	
	TOT %	3.4	12.7	49.6	24.2	3.4	.0	1.3	3.8	.0	1.7	100.0	
	TOT OBS												59
	TOT PCT	3.4	12.7	49.6	24.2	3.4	.0	1.3	3.8	.0	1.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10+	0-3	.0	1.7	5.1	6.8	.0	.0	.0	.0	.0	1.7	15.3	
	4-10	3.4	10.6	33.5	10.2	3.4	.0	1.3	3.8	.0		66.1	
	11-21	.0	.4	11.0	7.2	.0	.0	.0	.0	.0		18.6	
	22<	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	3.4	12.7	49.6	24.2	3.4	.0	1.3	3.8	.0	1.7	100.0	
	TOT OBS												59
	TOT PCT	3.4	12.7	49.6	24.2	3.4	.0	1.3	3.8	.0	1.7	100.0	

OCTOBER

PERIOD: (PRIMARY) 1923-1977
(OVER-ALL) 1906-1977

AREA 0001 NAURU IS. AND NICEAN IS. .6S 167.5E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	.0	9.1	9.1	.0	.0	.0	18.2	81.8	11
06&09	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0	8.3	91.7	12
12&15	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	10.0	90.0	20
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	8
TOT	0	0	0	3	0	1	1	0	0	0	5	46	51
PCT	.0	.0	.0	5.9	.0	2.0	2.0	.0	.0	.0	9.8	90.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	.0	100.0	11
06&09	.0	.0	.0	5.9	.0	94.1	17
12&15	.0	.0	.0	.0	.0	100.0	22
18&21	.0	.0	.0	.0	.0	100.0	11
TOT	0	0	0	1	0	60	61
PCT	.0	.0	.0	1.6	.0	98.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	18.2	81.8	11
06&09	.0	.0	8.3	.0	91.7	12
12&15	.0	.0	10.0	.0	90.0	20
18&21	.0	.0	.0	.0	100.0	8
TOT	0	0	3	2	46	51
PCT	.0	.0	5.9	3.9	90.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	1.8	.0	.0	.0	1	1.8
85/89	.0	.0	.0	.0	12.5	8.9	.0	.0	12	21.4
80/84	.0	.0	.0	.0	10.7	39.3	19.6	.0	39	69.6
75/79	.0	.0	.0	.0	.0	7.1	.0	.0	4	7.1
TOTAL	0	0	0	0	14	31	11	0	56	100.0
PCT	.0	.0	.0	.0	25.0	55.4	19.6	.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0
	.0	1.8	8.5	9.4	.0	.0	1.3	.0	.0	.0
	3.6	5.8	35.3	12.5	3.6	.0	.0	5.4	.0	3.6
	.0	.0	3.1	4.0	.0	.0	.0	.0	.0	.0
	3.6	7.6	48.7	25.9	3.6	.0	1.3	5.8	.0	3.6

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	94	93	93	84	81	81	81	84.9	13
06&09	89	88	88	82	81	77	77	82.8	44
12&15	85	84	84	82	79	79	79	81.7	25
18&21	85	84	84	82	79	79	79	82.0	47
TOT	94	89	87	82	79	79	77	82.5	129

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	58.3	25.0	16.7	.0	70	12
06&09	.0	.0	35.7	42.9	21.4	.0	73	14
12&15	.0	.0	4.5	72.7	22.7	.0	77	22
18&21	.0	.0	12.5	75.0	12.5	.0	76	8
TOT	0	0	14	31	11	0	74	56

OCTOBER

PERIOD: (PRIMARY) 1923-1977
(OVER-ALL) 1906-1977

TABLE 17

AREA 0001 NAURU IS. AND OCEAN IS.
.6S 167.5E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WD FOG
7/8	.0	.0	3.8	.0	1.9	3	.0	5.8
4	.0	.0	1.9	.0	.0	1	.0	1.9
3	.0	.0	1.9	1.9	.0	2	.0	3.8
2	.0	.0	3.8	.0	.0	2	.0	3.8
1	.0	5.8	3.8	.0	.0	5	.0	9.6
0	.0	23.1	.0	.0	.0	12	.0	23.1
-1	.0	17.3	1.9	.0	.0	10	.0	19.2
-2	1.9	13.4	.0	.0	.0	9	.0	17.3
-3	1.9	3.8	.0	.0	.0	3	.0	5.8
-4	.0	3.8	.0	.0	.0	2	.0	3.8
-5	.0	5.8	.0	.0	.0	3	.0	5.8
TOTAL	2		9		1		0	52
		39		1		52		
PCT	3.8	75.0	17.3	1.9	1.9	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	5.3	.0	.0	.0	.0	5.3
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.3	.0	.0	.0	.0	5.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	5.3	.7	.0	.0	.0	5.9
3-4	.0	2.6	.0	.0	.0	.0	2.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.9	.7	.0	.0	.0	8.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.6	2.0	.0	.0	.0	.0	4.6
1-2	.0	18.4	4.6	.0	.0	.0	23.0
3-4	.0	13.2	7.9	.0	.0	.0	21.1
5-6	.0	.0	4.6	.0	.0	.0	4.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.6	33.6	17.1	.0	.0	.0	53.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.6	.7	.0	.0	.0	.0	3.3
1-2	.0	5.3	5.3	.0	.0	.0	10.5
3-4	.0	.0	5.3	.0	.0	.0	5.3
5-6	.0	.0	.7	.0	.0	.0	.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.6	3.9	11.2	.0	.0	.0	19.7

PERIOD: (OVER-ALL) 1962-1977 OCTOBER AREA 0001 NAURU IS. AND OCEAN IS.
.65 167.58

TABLE 1e (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.6	.0	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.6	.0	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.3	.0	.0	.0	.0	5.3	.0	.0	.0	.0	.0	.0	.0

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	2.0	.0	.0	.0	.0	2.0	.0	3.3	.0	.0	.0	.0	3.3	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	2.6	.0	.0	.0	.0	2.6	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	2.0	.0	.0	.0	.0	2.0	.0	5.9	.0	.0	.0	.0	5.9	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.3	15.8	.0	.0	.0	.0	21.1	
1-2	.0	34.2	10.5	.0	.0	.0	44.7	
3-4	.0	15.8	13.2	.0	.0	.0	28.9	
5-6	.0	.0	5.3	.0	.0	.0	5.3	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								38
TOT PCT	5.3	69.8	28.9	.0	.0	.0	100.0	

PERIOD: (OVER-ALL) 1962-1977 TABLE 1f

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	12.2	24.4	.0	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	3
6-7	.0	.0	2.4	14.6	4.9	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	6
8-9	.0	.0	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
10-11	.0	9.8	.0	2.4	2.4	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	4
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	2.4	.0	4.9	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	4
TOTAL	1	9	13	9	3	5	0	1	0	0	0	0	0	0	0	0	0	0	0	41	4
PCT	2.4	22.0	31.7	22.0	7.3	12.2	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1935-1977
(OVER-ALL) 1901-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.35 167.08

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3		85.7
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	.0	.0	.0	.0		95.7
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
SW	16.7	.0	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0		83.3
W	.0	36.8	.0	.0	.0	.0	.0	36.8	.0	.0	.0	.0	.0	.0		63.2
NW	.0	9.3	.0	.0	.0	.0	.0	9.3	.0	.0	.0	.0	.0	9.3		89.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
TOT PCT	1.1	2.2	.0	.0	.0	.0	.0	3.4	.0	1.1	.0	.0	.0	1.1		94.4
TOT OBS:	89															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0		95.0
06&09	.0	8.3	.0	.0	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0		91.7
12&15	3.4	.0	.0	.0	.0	.0	.0	3.4	.0	3.4	.0	.0	.0	.0		93.1
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
TOT PCT	1.0	2.1	.0	.0	.0	.0	.0	3.1	.0	1.0	.0	.0	.0	1.0		94.8
TOT OBS:	96															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	3.3	.7	.7	.0	.0		4.6	8.2	6.9	.0	7.9	.0	.0	.0	20.8	.0
NE	2.8	22.0	9.5	.0	.0	.0		28.3	7.2	26.4	.0	25.0	20.8	38.5	50.0	2.1	40.0
E	3.0	15.2	7.2	.0	.0	.0		25.4	8.4	29.2	.0	35.5	29.7	14.4	21.4	31.3	23.3
SE	2.8	7.6	1.5	.0	.0	.0		12.0	6.8	19.4	50.0	.0	12.5	13.5	.0	18.8	10.0
S	.0	5.0	.0	.0	.0	.0		5.0	9.5	.0	.0	5.3	12.5	6.7	14.3	.0	.0
SW	.9	5.2	.0	.9	.0	.0		7.0	9.2	.0	50.0	.0	6.3	13.4	.0	8.3	6.7
W	.9	1.5	2.4	.0	.0	.0		4.8	8.8	3.4	.0	14.5	4.7	.0	.0	.0	6.7
NW	.9	3.7	3.0	.2	.0	.0		7.8	9.3	6.9	.0	11.8	7.8	3.8	.0	10.4	13.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.2							5.2	.0	3.4	.0	.0	6.3	7.7	14.3	8.3	.0
TOT OBS	19	73	21	2	0	0	115		7.4	18	2	19	16	26	7	12	15
TOT PCT	16.5	63.5	18.3	1.7	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.3	.7	.7	.0	.0		4.6	8.2	6.3	4.3	.0	9.3
NE	13.5	14.8	.0	.0	.0		28.3	7.2	25.6	22.9	40.9	23.1
E	7.6	17.8	.0	.0	.0		25.4	8.4	26.3	32.9	13.9	26.9
SE	5.4	6.5	.0	.0	.0		12.0	6.8	22.5	9.7	10.6	13.9
S	4.1	.9	.0	.0	.0		5.0	8.5	.0	8.6	8.3	.0
SW	1.7	4.3	.9	.0	.0		7.0	9.2	3.0	2.9	12.1	7.4
W	2.6	2.6	.0	.0	.0		4.8	8.8	3.0	10.0	.0	3.7
NW	2.8	4.8	.2	.0	.0		7.8	9.3	6.3	10.0	3.0	12.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	5.2						5.2	.0	3.0	2.9	9.1	3.7
TOT OBS	55	60	2	0	0	115		7.4	80	35	33	27
TOT PCT	46.1	52.2	1.7	.0	.0		100.0		100.0	100.0	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1939-1977
(OVER-ALL) 1901-1977

AREA 0001 NAURU IS. AND OCEAN IS.
-.35 167.8E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	5.0	15.0	40.0	40.0	.0	.0	.0	8.3	100.0	20
06&09	2.9	14.3	65.7	14.3	2.9	.0	.0	7.3	100.0	35
12&15	9.1	6.1	78.8	6.1	.0	.0	.0	6.3	100.0	33
18&21	3.7	11.1	59.3	22.2	3.7	.0	.0	8.2	100.0	27
TOT	6	13	73	21	2	0	0	7.4		115
PCT	5.2	11.3	63.5	18.3	1.7	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.8	1.2	3.6	1.2		5.0
NE	13.7	3.6	7.7	.0		2.9
E	7.7	6.0	8.9	1.2		3.9
SE	6.9	2.0	5.2	.4		3.7
S	.0	1.6	1.6	.0		5.5
SW	1.6	3.2	.0	3.2		4.8
W	.0	1.6	2.8	1.6		6.0
NW	.0	1.6	4.0	.4		5.5
VAR	.0	.0	.0	.0		.0
CALM	1.6	4.8	.0	.0		3.0
TOT OBS	20	16	21	5	62	4.0
TOT PCT	32.3	25.8	33.9	8.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	2.4	.0	.0	.0	.0	4.4	
NE	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	24.2	
E	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	22.2	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.5	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	
SW	.0	.0	.0	.0	1.6	.0	.0	.0	.0	.0	6.5	
W	1.6	.0	.0	1.6	1.2	.0	.0	.0	.0	.0	1.6	
NW	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	5.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	
TOT OBS	1	0	0	1	2	3	0	0	0	0	55	62
TOT PCT	1.6	.0	.0	1.6	3.2	4.8	.0	.0	.0	.0	88.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >30YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
* OR >1000	6.0	7.5	7.5	7.5	7.5	7.5	7.5	7.5
* OR >600	7.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0
* OR >300	7.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0
* OR >150	7.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0
* OR > 0	7.5	9.0	9.0	9.0	10.4	10.4	10.4	10.4
TOTAL	5	6	6	6	7	7	7	7

TOTAL NUMBER OF OBS: 67

PCT FREQ NH <5/8: 89.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
5.6	23.9	26.8	21.1	9.9	2.8	8.5	.0	1.4	.0	71

NOVEMBER

PERIOD: (PRIMARY) 1939-1977
(OVER-ALL) 1901-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.35 167.8E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	1.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	1.1	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	1.4	.8	.0	.0	1.1	.0	.0	.0	.0	3.4	
	TOT %	.0	1.4	.8	.0	.0	1.1	.0	.0	.0	.0	3.4	
5<10	PCP	.0	.0	.0	.0	.0	.0	.8	.3	.0	.0	1.1	
	NO PCP	2.0	6.7	1.1	.0	2.2	1.1	.0	1.4	.0	.0	14.6	
	TOT %	2.0	6.7	1.1	.0	2.2	1.1	.8	1.7	.0	.0	15.7	
10+	PCP	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	1.1	
	NO PCP	3.9	18.3	23.0	12.1	4.2	3.4	3.4	3.7	.0	6.7	78.7	
	TOT %	3.9	18.3	23.0	12.1	4.2	4.5	3.4	3.7	.0	6.7	79.8	
	TOT OBS												89
	TOT PCT	5.9	26.4	25.0	12.1	6.5	6.7	5.3	5.3	.0	6.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	1.1	.0	.0		1.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	1.1	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	1.4	.8	.0	.0	1.1	.0	.0	.0		3.4	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	1.4	.8	.0	.0	1.1	.0	.0	.0	.0	3.4	
5<10	0-3	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	1.1	
	4-10	1.1	4.5	.0	.0	2.2	1.1	.8	1.4	.0		11.2	
	11-21	.0	1.1	1.1	.0	.0	.0	.0	.0	.0		2.2	
	22+	.8	.0	.0	.0	.0	.0	.0	.3	.0		1.1	
	TOT %	2.0	6.7	1.1	.0	2.2	1.1	.8	1.7	.0	.0	15.7	
10+	0-3	.0	2.2	3.1	3.4	.0	1.1	1.1	1.1	.0	6.7	19.1	
	4-10	3.1	13.5	11.8	6.7	4.2	3.4	1.1	1.1	.0		44.9	
	11-21	.8	2.2	8.1	2.0	.0	.0	1.1	1.4	.0		15.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	3.9	18.3	23.0	12.1	4.2	4.5	3.4	3.7	.0	6.7	79.8	
	TOT OBS												89
	TOT PCT	5.9	26.4	25.0	12.1	6.5	6.7	5.3	5.3	.0	6.7	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1939-1977
(OVER-ALL) 1901-1977

AREA 0001 NAURU IS. AND OCEAN IS.
,3S 167.0E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	18
06&09	6.3	.0	.0	6.3	6.3	18.8	.0	.0	.0	.0	37.5	62.5	16
12&15	.0	.0	.0	.0	4.8	.0	.0	.0	.0	.0	4.8	95.2	21
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	14
TOT	1	0	0	1	2	3	0	0	0	0	7	62	69
PCT	1.4	.0	.0	1.4	2.9	4.3	.0	.0	.0	.0	10.1	89.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	5.3	94.7	19
06&09	.0	4.2	.0	4.2	16.7	75.0	24
12&15	.0	.0	.0	6.7	16.7	76.7	30
18&21	.0	.0	.0	4.3	17.4	78.3	23
TOT	0	1	0	4	14	77	96
PCT	.0	1.0	.0	4.2	14.6	80.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <500YD	<600 <1	<1000 <3	1000+ AND3+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	.0	100.0	17
06&09	6.3	6.3	12.5	25.0	62.5	16
12&15	.0	.0	10.0	5.0	85.0	20
18&21	.0	.0	.0	.0	100.0	14
TOT	1	1	4	5	98	67
PCT	1.5	1.5	6.0	7.5	86.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	1.5	.0	.0	.0	1	1.5
85/89	.0	.0	.0	.0	2.9	17.6	1.5	.0	15	22.1
80/84	.0	.0	.0	.0	1.5	48.6	26.5	1.5	51	75.0
75/79	.0	.0	.0	.0	.0	.0	1.5	.0	1	1.5
TOTAL	0	0	0	0	4	43	20	1	68	100.0
PCT	.0	.0	.0	.0	5.9	63.2	29.4	1.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	1.1	.4	.0	.0
.0	2.2	9.2	3.3	.0	.0	2.9	4.4	.0	.0
1.5	23.9	19.1	10.3	4.0	8.8	.0	4.4	.0	2.9
1.1	.0	.0	.0	.0	.0	.0	.4	.0	.0
2.6	26.1	28.3	13.6	4.0	8.8	4.0	9.6	.0	2.9

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	88	87	87	84	81	81	81	84.1	20
06&09	91	90	88	82	79	77	77	82.9	36
12&15	84	83	83	82	79	77	77	81.9	34
18&21	86	85	85	81	79	79	79	81.4	28
TOT	91	88	86	82	79	77	77	82.5	118

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	17.6	70.6	11.8	.0	73	17
06&09	.0	.0	11.1	61.1	27.8	.0	77	18
12&15	.0	.0	.0	56.0	40.0	4.0	80	25
18&21	.0	.0	.0	50.0	50.0	.0	80	14
TOT	0	0	3	44	24	1	78	74

NOVEMBER

PERIOD: (PRIMARY) 1935-1977
(OVER-ALL) 1901-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.3S 167.0E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	TOT	W FOG	WO FOG
5	.0	.0	1.2	1	.0	1.2
4	.0	1.2	.0	1	.0	1.2
3	.0	1.2	1.2	2	.0	2.4
2	.0	9.5	2.4	10	.0	11.9
1	1.2	3.6	2.4	6	.0	7.1
0	1.2	14.3	1.2	14	.0	16.7
-1	1.2	15.5	8.3	21	.0	25.0
-2	9.5	13.1	1.2	20	.0	23.8
-3	1.2	3.6	.0	4	.0	4.8
-4	.0	1.2	.0	1	.0	1.2
-5	.0	1.2	.0	1	.0	1.2
-7/-8	1.2	1.2	.0	2	.0	2.4
-9/-10	1.2	.0	.0	1	.0	1.2
TOTAL	14	55	15	84	0	84
PCT	16.7	65.5	17.9	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	4.8	.0	.0	.0	.0	4.8
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	1.6	1.6	.0	.0	3.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.8	1.6	1.6	.0	.0	8.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.1	1.6	4.3	.0	.0	.0	8.0
1-2	.5	0.4	.0	.0	.0	.0	6.9
3-4	.0	.5	2.1	.0	.0	.0	2.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.7	8.3	6.4	.0	.0	.0	17.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.1	2.1	.0	.0	.0	4.3
1-2	1.6	6.4	13.3	.0	.0	.0	21.3
3-4	.0	3.7	.0	.0	.0	.0	3.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	12.2	15.4	.0	.0	.0	29.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.1	.0	.0	.0	.0	.0	2.1
1-2	2.1	4.3	3.7	.0	.0	.0	10.1
3-4	.0	.5	.0	.0	.0	.0	.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	4.3	4.8	3.7	.0	.0	.0	12.8

PERIOD: (OVER-ALL) 1963-1977 NOVEMBER AREA 0001 NAURU IS. AND OCEAN IS, .3S 167.8E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.1	.0	.0	.0	.0	2.1	2.1	.0	.0	.0	.0	.0	2.1
1-2	.0	2.1	.0	.0	.0	.0	2.1	.0	6.4	.0	.0	.0	.0	6.4
3-4	.0	1.6	.0	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.9	.0	.0	.0	.0	5.9	2.1	6.4	.0	.0	.0	.0	8.5

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	2.1	.0	.0	.0	.0	.0	2.1	
1-2	.0	.0	4.3	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	2.1	.5	.5	.0	.0	3.2	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	4.3	.0	.0	.0	4.3	2.1	2.1	.5	.5	.0	.0	5.3	91.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	17.0	10.6	6.4	.0	.0	.0	34.0	
1-2	4.3	25.5	21.3	.0	.0	.0	51.1	
3-4	.0	8.5	4.3	2.1	.0	.0	14.9	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								47
TOT PCT	21.3	44.7	31.9	2.1	.0	.0	100.0	

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) Vs WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.3	13.1	8.2	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	2
6-7	.0	8.2	16.4	4.9	3.3	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	4
8-9	.0	.0	3.3	6.6	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	5
10-11	.0	1.6	1.6	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3
12-13	.0	.0	8.2	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	3
>13	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	6.6	.0	1.6	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	2
TOTAL	4	14	24	12	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	61	3
PCT	9.8	23.0	39.3	19.7	4.9	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1861-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.5S 167.4E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	24.3	.0	.0	.0	.0	.0	.0	75.7
E	.0	.0	.0	.0	.0	.0	.0	.0	9.5	.0	.0	.0	.0	.0	.0	90.5
SE	.0	12.1	.0	.0	.0	.0	.0	12.1	.0	.0	.0	.0	.0	.0	.0	87.9
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	22.2	.0	.0	.0	.0	.0	.0	77.8
NW	19.0	.0	.0	.0	.0	.0	.0	19.0	9.5	.0	.0	.0	.0	.0	.0	71.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	2.9	1.4	.0	.0	.0	.0	.0	4.3	8.7	.0	.0	.0	.0	.0	.0	87.0
TOT OBS:	69															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	5.6	.0	.0	.0	.0	.0	5.6	16.7	.0	.0	.0	.0	.0	.0	77.8
06&09	.0	.0	.0	.0	.0	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	92.9
12&15	4.8	.0	.0	.0	.0	.0	.0	4.8	9.5	.0	.0	.0	.0	.0	.0	85.7
18&21	5.3	.0	.0	.0	.0	.0	.0	5.3	.0	.0	.0	.0	.0	.0	.0	94.7
TOT PCT	2.8	1.4	.0	.0	.0	.0	.0	4.2	8.3	.0	.0	.0	.0	.0	.0	87.5
TOT OBS:	72															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	5.7	4.2	2.4	.0	.0	.0		12.2	6.1	5.3	.0	.0	33.3	4.5	.0	21.2	25.0
NE	2.7	5.4	5.4	.0	.0	.0		13.4	7.9	7.9	.0	13.9	16.7	17.0	.0	9.6	20.0
E	5.1	9.5	13.1	.0	.0	.0		27.7	8.9	26.3	.0	25.0	29.0	46.6	.0	7.7	25.0
SE	4.8	4.8	1.8	.0	.0	.0		11.3	6.0	14.5	.0	5.6	2.8	13.6	50.0	7.7	10.0
S	.9	3.3	.0	.0	.0	.0		4.2	4.3	13.2	.0	.0	.0	4.5	.0	.0	.0
SW	.0	1.5	1.2	1.2	.0	.0		3.9	14.8	1.3	.0	.0	.0	.0	.0	15.4	10.0
W	1.2	5.7	.9	.0	.0	.0		7.7	7.8	9.2	.0	33.3	11.1	.0	.0	5.8	.0
NW	.0	6.3	6.3	1.2	.0	.0		13.7	11.6	17.1	.0	22.2	11.1	9.1	.0	25.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	6.0							6.0	.0	5.3	.0	.0	.0	4.5	50.0	7.7	10.0
TOT OBS	22	34	26	2	0	0	84		7.9	19	0	9	9	22	2	13	10
TOT PCT	26.2	40.5	31.0	2.4	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	7.4	3.6	1.2	.0	.0		12.2	6.1	5.3	16.7	4.2	22.8
NE	8.0	4.5	.9	.0	.0		13.4	7.9	7.9	15.3	15.6	14.1
E	13.7	10.7	3.3	.0	.0		27.7	8.9	26.3	25.0	42.7	15.2
SE	8.0	2.7	.6	.0	.0		11.3	6.0	14.5	4.2	16.7	8.7
S	4.2	.0	.0	.0	.0		4.2	4.3	13.2	.0	4.2	.0
SW	.3	2.4	1.2	.0	.0		3.9	14.8	1.3	.0	.0	13.0
W	3.6	4.2	.0	.0	.0		7.7	7.8	9.2	22.2	.0	3.3
NW	3.6	8.9	.0	1.2	.0		13.7	11.6	17.1	16.7	8.3	14.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	6.0						6.0	.0	5.3	.0	8.3	8.7
TOT OBS	48	31	6	1	0	84		7.9	19	18	24	23
TOT PCT	54.8	36.9	7.1	1.2	.0		100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1861-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.5S 167.4E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	5.3	15.8	47.4	31.6	.0	.0	.0	7.7	100.0	19
06&09	.0	27.8	50.0	16.7	5.6	.0	.0	7.9	100.0	18
12&15	8.3	20.8	37.5	33.3	.0	.0	.0	7.0	100.0	24
18&21	8.7	17.4	30.4	39.1	4.3	.0	.0	8.9	100.0	23
TOT	5	17	34	26	2	0	0	7.9		84
PCT	6.0	20.2	40.5	31.0	2.4	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	5.5	3.2		6.3
NE	.0	4.5	5.9	3.6		5.8
E	7.3	8.6	4.5	3.4		3.8
SE	2.3	1.4	2.3	5.9		6.0
S	1.4	.0	.0	1.8		5.0
SW	.0	.0	5.5	.0		5.6
W	.0	.0	5.5	2.7		6.0
NW	1.8	1.8	7.3	8.2		6.2
VAR	.0	.0	.0	.0		.0
CALM	3.6	.0	1.8	.0		3.0
TOT OBS	9	9	21	16	55	5.3
TOT PCT	16.4	16.4	38.2	29.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	1.4	5.5	.0	.0	.0	.0	1.8	
NE	.0	.0	1.8	.0	2.5	.5	1.8	.0	.0	.0	7.7	
E	.0	.0	.0	.0	1.8	1.4	.0	.0	.0	.0	20.9	
SE	.0	.0	1.8	.0	1.8	.0	.0	.0	.0	.0	8.2	
S	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	1.4	
SW	.0	.0	.0	1.8	.0	.0	1.8	.0	.0	.0	1.8	
W	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	6.8	
NW	.0	.0	3.6	.0	3.6	4.1	.0	.0	.0	.0	7.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	3.6	
TOT OBS	0	0	4	1	8	7	2	0	0	0	33	55
TOT PCT	.0	.0	7.3	1.8	14.5	12.7	3.6	.0	.0	.0	60.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >30YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	3.5	3.5	3.5	3.5	3.5	3.5	3.5
* OR >2000	12.3	17.5	17.5	17.5	17.5	17.5	17.5	17.5
* OR >1000	19.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6
* OR >600	19.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
* OR >300	22.8	40.4	40.4	40.4	40.4	40.4	40.4	40.4
* OR >150	22.8	40.4	40.4	40.4	40.4	40.4	40.4	40.4
* OR > 0	22.8	40.4	40.4	40.4	40.4	40.4	40.4	40.4
TOTAL	13	23	23	23	23	23	23	23

TOTAL NUMBER OF OBS: 57 PCT FREQ NH <5/8: 59.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
8.3	6.7	10.0	18.3	18.3	6.7	11.7	5.0	15.0	.0	60

DECEMBER

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1861-1977

TABLE 8

AREA 0001 NAURU IS. AND OCEAN IS.
.55 167.4E

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	1.4	.0	.0	.0	2.9	.0	.0	4.3	
	NO PCP	.0	4.3	4.3	1.4	1.4	4.3	1.1	3.3	.0	.0	20.3	
	TOT %	.0	4.3	4.3	2.9	1.4	4.3	1.1	6.2	.0	.0	24.6	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	12.0	9.1	22.5	9.1	1.1	.0	5.4	9.1	.0	7.2	75.4	
	TOT %	12.0	9.1	22.5	9.1	1.1	.0	5.4	9.1	.0	7.2	75.4	
	TOT OBS												69
	TOT PCT	12.0	13.4	26.8	12.0	2.5	4.3	6.5	15.2	.0	7.2	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	1.4	
	4-10	.0	1.4	2.9	1.4	1.4	1.4	1.1	3.3	.0		13.0	
	11-21	.0	2.9	1.4	.0	.0	1.4	.0	2.9	.0		8.7	
	22+	.0	.0	.0	.0	.0	1.4	.0	.0	.0		1.4	
	TOT %	.0	4.3	4.3	2.9	1.4	4.3	1.1	6.2	.0	.0	24.6	
10+	0-3	6.9	3.3	3.3	4.3	1.1	.0	.0	.0	.0	7.2	26.1	
	4-10	3.6	3.6	7.6	4.0	.0	.0	4.3	4.3	.0		27.3	
	11-21	1.4	2.2	11.6	.7	.0	.0	1.1	4.7	.0		21.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	12.0	9.1	22.5	9.1	1.1	.0	5.4	9.1	.0	7.2	75.4	
	TOT OBS												69
	TOT PCT	12.0	13.4	26.8	12.0	2.5	4.3	6.5	15.2	.0	7.2	100.0	

DECEMBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1861-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.5S 167.4E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	5.9	.0	17.6	17.6	.0	.0	.0	.0	41.2	58.8	17
06&09	.0	.0	.0	.0	11.1	22.2	.0	.0	.0	.0	33.3	66.7	9
12&15	.0	.0	10.0	.0	10.0	5.0	.0	.0	.0	.0	25.0	75.0	20
18&21	.0	.0	7.1	7.1	14.3	14.3	14.3	.0	.0	.0	57.1	42.9	14
TOT	0	0	4	1	8	8	2	0	0	0	23	37	60
PCT	.0	.0	6.7	1.7	13.3	13.3	3.3	.0	.0	.0	38.3	61.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	22.2	77.8	18
06&09	.0	.0	.0	7.1	7.1	85.7	14
12&15	.0	.0	.0	.0	23.8	76.2	21
18&21	.0	.0	.0	.0	36.8	63.2	19
TOT	0	0	0	1	17	54	72
PCT	.0	.0	.0	1.4	23.6	75.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50VD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	5.9	5.9	35.3	58.8	17
06&09	.0	.0	.0	33.3	66.7	9
12&15	.0	11.8	11.8	17.6	70.6	17
18&21	.0	7.1	14.3	42.9	42.9	14
TOT	0	4	5	18	34	57
PCT	.0	7.0	8.8	31.6	59.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	2.9	22.9	5.7	.0	11	31.4
80/84	.0	.0	.0	.0	.0	28.6	14.3	11.4	19	54.3
75/79	.0	.0	.0	.0	.0	.0	2.9	11.4	5	14.3
TOTAL	0	0	0	0	1	18	8	8	35	100.0
PCT	.0	.0	.0	.0	2.9	51.4	22.9	22.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

TEMP F	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	2.9	6.4	8.6	2.1	2.9	.0	8.6	.0	.0
80/84	2.9	1.4	17.9	9.3	5.0	3.6	5.7	2.9	.0	5.7
75/79	.0	2.9	7.9	.7	.0	.0	.0	2.9	.0	.0
PCT	2.9	7.1	32.1	18.6	7.1	6.4	5.7	14.3	.0	5.7

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	86	85	85	84	80	80	80	83.9	16
06&09	87	86	86	83	79	79	79	83.0	20
12&15	86	85	85	81	70	70	70	80.8	20
18&21	86	85	85	83	78	78	78	83.0	20
TOT	87	86	86	83	78	70	70	82.6	76

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	.0	70.0	20.0	10.0	79	10
06&09	.0	.0	.0	75.0	25.0	.0	77	8
12&15	.0	.0	7.1	35.7	21.4	35.7	84	14
18&21	.0	.0	.0	33.3	33.3	33.3	86	6
TOT	0	0	1	20	9	8	81	38

DECEMBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1861-1977

AREA 0001 NAURU IS. AND OCEAN IS.
.5S 167.4E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
4	.0	.0	.0	2.1	1	.0	2.1
3	.0	2.1	4.2	2.1	4	.0	8.3
1	.0	.0	6.3	.0	3	.0	6.3
0	2.1	4.2	14.6	6.3	13	.0	27.1
-1	.0	.0	12.5	2.1	7	.0	14.6
-2	.0	.0	6.3	2.1	4	.0	8.3
-3	.0	2.1	8.3	2.1	6	.0	12.5
-4	.0	4.2	2.1	4.2	5	.0	10.4
-5	.0	.0	6.3	.0	3	.0	6.3
-7/-8	.0	2.1	.0	.0	1	.0	2.1
-9/-10	2.1	.0	.0	.0	1	.0	2.1
TOTAL	2		29			0	48
		7		10	48		
PCT	4.2	14.6	60.4	20.8	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.2	.0	.0	.0	.0	.0	2.2
1-2	1.7	.0	.0	.0	.0	.0	1.7
3-4	.0	4.4	.0	.0	.0	.0	4.4
5-6	.0	.0	2.2	.0	.0	.0	2.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YOY PCT	3.9	4.4	2.2	.0	.0	.0	10.6

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.2	.0	.0	.0	.0	.0	2.2
1-2	.4	2.2	2.2	.0	.0	.0	5.0
3-4	.0	3.3	.6	.0	.0	.0	3.9
5-6	.0	.0	.6	.0	.0	.0	.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YOY PCT	2.8	5.6	3.3	.0	.0	.0	11.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	3.3	.0	.0	.0	.0	3.3
1-2	5.0	1.7	.0	.0	.0	.0	6.7
3-4	.0	3.3	8.3	.0	.0	.0	11.7
5-6	.0	.0	5.6	.0	.0	.0	5.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YOY PCT	5.0	8.3	13.9	.0	.0	.0	27.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.1	.0	.0	.0	.0	1.1
1-2	3.9	.6	.0	.0	.0	.0	4.4
3-4	2.2	2.2	.0	.0	.0	.0	4.4
5-6	.0	.0	.6	.0	.0	.0	.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YOY PCT	6.1	3.9	.6	.0	.0	.0	10.6

PERIOD: (OVER-ALL) 1963-1977 DECEMBER AREA 0001 NAURU IS. AND OCEAN IS. .55 167.4E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.2	.0	.0	.0	.0	2.2
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.2	.0	.0	.0	.0	2.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.2	2.2	.0	.0	.0	4.4
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	2.2	.0	.0	2.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.2	2.2	2.2	.0	.0	6.7

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.2	.0	.0	.0	.0	2.2
1-2	.0	4.4	.0	.0	.0	.0	4.4
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	1.7	.0	.0	.0	1.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.7	1.7	.0	.0	.0	8.3

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	2.2	2.2	.0	.0	.0	4.4	
1-2	.0	4.4	4.4	.0	.0	.0	8.9	
3-4	.0	.0	2.2	.0	.0	.0	2.2	
5-6	.0	.0	.6	.0	.0	.0	.6	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	6.7	9.4	.0	.0	.0	16.1	93.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	11.1	8.9	2.2	.0	.0	.0	22.2	
1-2	11.1	17.8	8.9	.0	.0	.0	37.8	
3-4	2.2	13.3	11.1	.0	.0	.0	26.7	
5-6	.0	.0	11.1	.0	.0	.0	11.1	
7	.0	.0	.0	2.2	.0	.0	2.2	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	24.4	40.0	33.3	2.2	.0	.0	100.0	45

PERIOD: (OVER-ALL) 1949-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	12.5	10.4	6.3	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	3
6-7	.0	2.1	8.3	8.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	4
8-9	.0	.0	2.1	16.7	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	5
10-11	.0	8.3	6.3	.0	2.1	.0	.0	2.1	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	5
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	4.2	.0	4.2	.0	.0	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	4
TOTAL	2	11	14	15	3	0	0	1	2	0	0	0	0	0	0	0	0	0	0	48	4
PCT	4.2	22.9	29.2	31.3	6.3	.0	.0	2.1	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1912-1978
(OVER-ALL) 1856-1978

AREA 0001 NAURU IS. AND OCEAN IS.
.5S 167.7E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	2.4	2.3	.0	.0	.0	.0	.0	4.7	7.7	.0	.0	.0	.0		1.2	86.5
NE	.0	3.3	.4	.0	.0	.0	.0	3.8	3.7	.4	.0	.0	.0		.0	92.2
E	.5	2.0	.2	.0	.0	.0	.0	2.6	2.0	.6	.0	.0	.0		.0	94.7
SE	.7	2.4	.0	.0	.0	.0	.0	3.2	.6	.0	.0	.0	.0		.0	96.2
S	1.4	7.1	.0	.0	.0	.0	.0	8.5	.0	3.0	.8	.0	.0		.0	78.8
SW	9.8	.8	.0	.0	.0	.0	.0	10.6	1.3	1.7	1.5	.0	.0		.0	59.9
W	7.5	7.9	.4	.0	.0	.0	.0	15.4	2.9	5.1	.0	.0	.0		.0	64.7
NW	5.8	10.9	.0	.0	.0	.0	.0	16.8	2.4	1.0	.5	.0	.0		.4	78.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.0	.0		.0	98.8
TOT PCT	2.3	3.0	.3	.0	.0	.0	.0	5.4	2.9	.9	.2	.0	.0		.1	90.9
TOT OBS:	947															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	1.6	3.0	.0	.0	.0	.0	.0	4.6	3.5	.0	.0	.0	.0		.4	91.5
06609	2.9	4.2	.0	.0	.0	.0	.0	7.0	2.2	.4	.3	.0	.0		.0	90.1
12615	2.6	2.7	.5	.0	.0	.0	.0	5.3	2.6	2.8	.3	.0	.0		.0	89.4
18621	2.1	2.3	.5	.0	.0	.0	.0	4.9	1.7	.0	.0	.0	.0		.0	93.4
TOT PCT	2.3	3.1	.3	.0	.0	.0	.0	5.5	2.4	1.0	.2	.0	.0		.1	91.0
TOT OBS:	988															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.2	4.1	1.3	.1	.0	.0		6.6	6.4	8.5	.0	5.5	7.1	4.3	3.0	10.5	7.9
NE	2.8	13.5	4.0	*	.0	.0		20.3	7.9	14.8	8.3	14.4	22.4	18.3	20.7	18.4	27.6
E	5.2	21.9	10.5	.3	.0	.0		37.9	8.7	38.1	16.7	36.9	41.1	36.9	24.0	37.2	37.0
SE	2.8	8.8	2.7	*	.0	.0		14.4	7.1	16.9	12.5	14.5	12.8	18.0	22.6	15.3	10.4
S	.7	2.2	.4	.0	.0	.0		3.3	5.9	3.8	.0	4.8	2.5	3.9	2.5	.9	1.8
SW	.6	1.8	.2	.2	.0	.0		2.8	6.1	2.9	4.2	2.9	1.8	2.0	1.0	4.5	2.4
W	.5	3.1	1.4	.1	.0	.0		5.0	7.4	6.6	.0	8.7	3.8	4.3	.0	4.1	4.9
NW	.7	2.7	1.8	.1	.0	.0		5.3	7.5	5.6	.0	7.0	6.3	5.5	1.4	4.9	3.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.4							4.4	.0	2.9	8.3	5.2	2.3	6.7	8.1	4.1	4.7
TOT OBS							1354		7.6	220	8	186	223	276	48	148	247
TOT PCT	18.9	58.1	22.2	.8	.0	.0		100.0		100.0	50.0	100.0	100.0	100.0	83.3	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)				
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21	
N	3.5	2.8	.3	.0	.0		6.6	6.4	8.4	5.9	4.1	8.8	
NE	8.7	10.8	.8	*	.0		20.3	7.9	14.7	18.6	19.3	23.9	
E	15.9	20.2	2.1	.1	.0		37.9	8.7	37.6	40.2	37.7	35.9	
SE	8.0	6.1	.3	.0	.0		14.4	7.1	17.0	12.3	18.1	12.9	
S	2.3	.9	.1	.0	.0		3.3	5.9	3.7	3.7	4.0	1.8	
SW	1.3	1.1	.2	.0	.0		2.8	6.1	3.3	2.4	1.8	3.6	
W	1.8	2.7	.6	.0	.0		5.0	7.4	6.4	7.0	3.7	4.5	
NW	2.4	2.6	.2	.1	.0		5.3	7.5	5.5	6.3	5.1	4.3	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	4.4						4.4	.0	3.4	3.7	6.2	4.4	
TOT OBS						1354		7.6	228	409	324	393	
TOT PCT	48.1	47.2	4.5	.2	.0		100.0		100.0	100.0	100.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1912-1978
(OVER-ALL) 1956-1978

AREA 0001 NAURU IS. AND OCEAN IS.
.5S 167.7E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	3.4	9.3	53.3	33.1	.8	.0	.0	8.7	100.0	228
06&09	3.7	17.6	50.7	18.8	1.3	.0	.0	7.5	100.0	409
12&15	6.2	12.1	62.5	18.6	.5	.0	.0	7.3	100.0	324
18&21	4.4	15.0	58.4	21.5	.7	.0	.0	7.6	100.0	393
TOT								7.6		1354
PCT	4.4	14.5	58.1	22.2	.8	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.6	1.5	3.3	1.8		4.8
NE	5.8	4.6	5.4	1.8		4.0
E	11.8	11.6	10.8	1.9		3.7
SE	4.9	4.4	4.7	1.0		4.1
S	.4	1.1	.5	.8		3.8
SW	.3	.7	1.0	1.6		4.7
W	.1	.6	3.5	2.6		4.6
NW	.5	.7	2.7	2.0		5.2
VAR	.0	.0	.0	.0		.0
CALM	2.5	.8	1.3	.5		3.2
TOT OBS					625	4.3
TOT PCT	27.1	26.0	33.2	13.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.2	.6	.9	.7	.1	.0	.0	.0	4.9	
NE	.0	.0	.3	.7	1.6	.3	.2	.0	.0	.0	14.5	
E	.0	.0	.2	1.2	1.9	.6	.2	.1	.0	.0	31.8	
SE	.0	.0	.2	.8	.6	.5	.3	.0	.0	.0	12.6	
S	.0	.0	.0	.4	.4	.0	.0	.0	.0	.0	2.0	
SW	.0	.0	.0	.2	1.1	.2	.2	.0	.0	.0	1.8	
W	.1	.0	.3	.6	1.5	.8	.0	.0	.0	.0	3.5	
NW	.0	.0	.4	.6	.7	.3	.2	.0	.0	.1	3.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	4.6	
TOT OBS												625
TOT PCT	.1	.0	1.5	5.2	9.0	3.4	1.1	.1	.0	.1	79.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >0YD	* OR >0
* OR >6500	.1	.1	.1	.1	.1	.1	.1	.1
* OR >5000	.1	.2	.2	.2	.2	.2	.2	.2
* OR >3500	.6	1.2	1.3	1.3	1.3	1.3	1.3	1.3
* OR >2000	3.5	4.6	4.7	4.7	4.7	4.7	4.7	4.7
* OR >1000	9.3	12.4	13.2	13.2	13.2	13.3	13.3	13.3
* OR >600	12.1	17.1	18.4	18.4	18.4	18.5	18.5	18.5
* OR >300	13.0	18.3	19.9	19.9	19.9	20.0	20.0	20.0
* OR >150	13.0	18.3	19.9	19.9	19.9	20.0	20.0	20.0
* OR > 0	13.0	18.3	19.9	19.9	20.1	20.2	20.2	20.2

TOTAL NUMBER OF OBS: 652

PCT FREQ NH <5/8: 79.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
4.8	16.3	25.8	19.9	13.2	7.5	4.5	2.0	5.9	.0	705

ANNUAL

PERIOD: (PRIMARY) 1912-1978
(OVER-ALL) 1856-1978

TABLE 8

AREA 0001 NAURU IS. AND OCEAN IS.
.5S 167.7E

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.1	*	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.1	*	.0	.0	.1	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	TOT %	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.2	
1<2	PCP	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1	
2<5	PCP	.0	.1	.0	.0	.1	.1	.2	.3	.0	.0	.8	
	NO PCP	.1	.3	.6	.1	*	.1	.1	.0	.0	.0	1.3	
	TOT %	.1	.4	.6	.1	.1	.3	.3	.3	.0	.0	2.2	
5<10	PCP	.2	.3	.3	.4	.3	.3	.3	.5	.0	.0	2.8	
	NO PCP	.3	2.7	2.8	1.4	.8	.8	.3	.6	.0	.0	9.7	
	TOT %	.5	3.1	3.1	1.8	1.1	1.1	.8	1.1	.0	.0	12.5	
10+	PCP	.2	.3	.6	.2	.0	.1	.2	*	.0	.0	1.6	
	NO PCP	5.9	14.2	34.0	13.9	2.0	1.4	3.9	3.8	.0	4.3	83.4	
	TOT %	6.1	14.5	34.6	14.0	2.0	1.4	4.1	3.8	.0	4.3	85.0	
	TOT OBS												947
	TOT PCT	6.7	18.0	38.3	15.9	3.2	2.8	5.4	5.3	.0	4.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.1	*	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.1	*	.0	.0	.1	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.1	.1	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.2	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.1	.1	.0	.0	.0	.0	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1	
2<5	0-3	.0	.0	.0	*	.1	*	.0	.0	.0	.0	.2	
	4-10	.1	.2	.3	.1	.1	.2	.2	.3	.0		1.7	
	11-21	.0	.3	.1	.0	.0	.0	.1	.0	.0		.4	
	22+	.0	*	.1	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.1	.6	.6	.1	.2	.3	.3	.3	.0	.0	2.4	
5<10	0-3	.0	.1	.2	.3	.0	.1	.0	.0	.0	.0	.9	
	4-10	.4	1.6	1.6	.9	.7	.6	.3	.7	.0		7.0	
	11-21	.0	1.2	1.3	.3	.3	.2	.2	.4	.0		4.0	
	22+	.1	.0	.1	.0	.0	.1	.1	*	.0		.4	
	TOT %	.4	3.0	3.1	1.7	1.0	1.1	.8	1.1	.0	.0	12.3	
10+	0-3	1.0	2.1	4.4	2.7	.3	.3	.4	.6	.0	4.2	15.5	
	4-10	3.8	9.7	20.2	8.6	1.3	1.0	2.4	1.9	.0		48.8	
	11-21	1.2	2.6	10.0	2.9	.2	.0	1.2	1.3	.0		19.4	
	22+	.0	.0	.2	*	.0	.0	.0	.0	.0		.2	
	TOT %	6.0	14.3	34.7	14.3	2.0	1.4	4.1	3.8	.0	4.2	84.9	
	TOT OBS												962
	TOT PCT	6.6	18.1	38.5	16.2	3.2	2.8	5.3	5.2	.0	4.2	100.0	

ANNUAL

PERIOD: (PRIMARY) 1912-1978
(OVER-ALL) 1956-1978

AREA 0001 NAURU IS. AND OCEAN IS.
.5S 167.7E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.5	2.4	9.5	4.2	1.2	.0	.0	.0	17.9	82.1	199
06&09	.5	.0	1.4	5.7	6.1	5.6	.6	.4	.0	.0	20.3	79.7	163
12&15	.0	.0	1.6	5.2	5.4	1.3	.8	.0	.0	.3	14.7	85.3	201
18&21	.0	.0	1.6	5.6	11.7	3.1	1.2	.0	.0	.0	23.2	76.8	132
TOT													695
PCT	.1	.0	1.4	4.9	8.0	3.2	1.0	.1	.0	.1	18.8	81.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	1.7	6.6	91.7	209
06&09	.3	.6	.0	3.9	14.9	80.4	263
12&15	.0	.0	.3	3.8	8.9	86.8	292
18&21	.0	.0	.0	1.1	16.6	82.3	239
TOT							1003
PCT	.1	.2	.1	2.7	12.1	84.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.5	3.8	14.6	81.6	188
06&09	.5	2.4	8.2	12.8	79.0	159
12&15	.0	1.9	10.3	7.6	82.1	182
18&21	.0	1.6	8.7	16.9	74.4	123
TOT						652
PCT	.1	1.7	8.1	12.4	79.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.4	.4	.1	.0	.2		1.2
85/89	.0	.0	.0	.0	3.7	13.8	3.1	.2		20.7
80/84	.0	.0	.0	.0	3.5	30.8	32.8	5.4		72.5
75/79	.0	.0	.0	.0	.0	.7	1.7	2.8		5.2
65/69	.0	.0	.0	.0	.0	.0	.2	.0		.2
60/64	.0	.0	.0	.0	.0	.2	.0	.0		.2
TOTAL									663	100.0
PCT	.0	.0	.0	.4	7.7	45.6	37.7	8.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.2	.2	.1	.2	.0	.0	.1	*	.0	.3
1.0	2.9	7.2	4.4	.8	.7	1.5	1.8	.0	.3
3.9	12.6	28.6	11.3	2.7	2.2	3.9	3.1	.0	4.3
.3	1.0	1.6	.7	.4	.3	.3	.6	.0	.0
.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
.1	*	.0	.0	.0	.0	.0	.0	.0	.0
5.6	16.8	37.5	16.6	3.8	3.2	5.8	5.5	.0	5.1

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	94	89	89	84	80	79	66	84.5	220
06&09	91	87	86	83	79	78	73	82.8	417
12&15	91	85	85	82	77	75	62	81.6	321
18&21	87	84	84	82	79	78	72	81.9	382
TOT	94	89	87	82	79	75	62	82.5	1340

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.6	14.9	57.1	24.2	3.1	76	183
06&09	.0	.0	12.2	47.2	34.9	5.7	77	197
12&15	.0	.7	2.8	38.5	46.4	11.5	81	226
18&21	.0	.0	2.1	38.2	46.0	13.6	82	132
TOT	0	3	96	332	255	52	79	698

ANNUAL

PERIOD: (PRIMARY) 1912-1978
(OVER-ALL) 1856-1978

TABLE 17

AREA 0001 NAURU IS. AND OCEAN IS.
.5S 167.7E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
11/13	.0	.0	.0	.0	.0	.0	.0	.2	.0	1	.0	.2
9/10	.0	.0	.0	.0	.0	.0	.1	.0	.0	1	.0	.1
7/8	.0	.0	.0	.0	.0	.0	.5	.0	.3	5	.0	.8
6	.0	.0	.0	.0	.0	.0	.0	.5	.0	3	.0	.5
5	.0	.0	.0	.0	.0	.0	.3	.3	.0	6	.0	.7
4	.0	.0	.0	.0	.0	.3	1.4	.1	.0	14	.0	1.8
3	.0	.0	.0	.0	.0	.5	1.5	.2	.0	18	.0	2.3
2	.0	.0	.0	.0	.2	4.3	2.7	.5	.0	65	.1	7.6
1	.0	.0	.0	.0	.3	5.4	3.4	.7	.0	78	.0	9.9
0	.0	.0	.0	.2	1.3	17.4	3.0	.0	.0	173	.0	21.9
-1	.0	.0	.0	.0	1.8	13.3	2.3	.0	.0	139	.0	17.4
-2	.0	.0	.0	.2	2.2	13.1	1.0	.0	.0	140	.0	16.5
-3	.0	.0	.0	.0	1.8	5.7	.3	.0	.0	60	.1	7.8
-4	.0	.0	.0	.0	3.0	3.3	.3	.0	.0	53	.0	6.6
-5	.0	.0	.0	.0	.7	2.5	.0	.0	.0	23	.0	3.1
-6	.0	.0	.0	.0	.4	.1	.0	.0	.0	5	.0	.6
-7/-8	.0	.2	.2	.3	.8	.2	.0	.0	.0	11	.0	1.5
-9/-10	.0	.0	.0	.3	.2	.1	.0	.0	.0	5	.0	.6
TOTAL										800		
PCT	.0	.2	.2	1.0	12.6	66.3	16.9	2.5	.3	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.1	.0	.0	.0	.0	1.3
1-2	.1	2.7	.2	.0	.0	.0	3.0
3-4	.0	1.7	1.1	.1	.0	.0	2.9
5-6	.0	.0	.4	.0	.0	.0	.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.4	.0	.0	.0	.0	.4
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	5.9	1.7	.1	.0	.0	8.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	1.7	.4	.0	.0	.0	3.0
1-2	.4	6.1	1.4	.0	.0	.0	7.9
3-4	.0	1.8	1.3	.0	.0	.0	2.9
5-6	.0	.7	1.5	.0	.0	.0	2.2
7	.0	.0	.6	*	.0	.0	.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	10.0	5.2	*	.0	.0	16.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.9	.4	.0	.0	.0	2.4
1-2	.9	12.0	3.2	.0	.0	.0	16.1
3-4	.0	5.1	6.8	.3	.0	.0	12.3
5-6	.0	.9	3.5	.0	.0	.0	4.4
7	.0	.0	.8	.1	.0	.0	.9
8-9	.0	.0	.2	.0	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.2	.0	.0	.0	.2
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	19.8	15.1	.4	.0	.0	36.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	.4	.0	.0	.0	.0	1.3
1-2	.8	5.0	1.4	.0	.0	.0	7.2
3-4	.2	2.4	1.1	.1	.0	.0	3.8
5-6	.0	.4	1.0	.0	.0	.0	1.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.9	8.2	3.6	.1	.0	.0	13.7

PERIOD: (OVER-ALL) 1968-1978

ANNUAL

TABLE 18 (CONT)

AREA 0001 NAURU IS. AND OCEAN IS, .5S 167.7E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.6	.0	.0	.0	.0	.8	.6	.6	.0	.0	.0	.0	1.1
1-2	.3	1.2	.2	.0	.0	.0	1.6	.1	1.9	.4	.0	.0	.0	2.4
3-4	.0	.5	.2	.0	.0	.0	.7	.1	.1	.0	.0	.0	.0	.2
5-6	.0	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	2.2	.6	.0	.0	.0	3.3	.8	2.5	.4	.2	.0	.0	3.8

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.2	.7	.0	.0	.0	.0	.9	.4	.9	.2	.0	.0	.0	1.5	
1-2	.2	1.6	1.2	.0	.0	.0	3.0	.1	1.5	1.2	.0	.0	.0	2.8	
3-4	.0	1.6	1.2	.0	.0	.0	2.7	.0	.4	.6	*	.0	.0	1.1	
5-6	.0	.0	.4	.1	.0	.0	.5	.0	.0	.3	.0	.0	.0	.3	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.4	3.9	2.8	.1	.0	.0	7.2	.5	2.8	2.3	*	.0	.0	5.7	94.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	11.5	7.6	.9	.0	.0	.0	20.0	
1-2	3.2	30.6	9.0	.0	.0	.0	42.8	
3-4	.3	12.9	11.9	.5	.0	.0	25.6	
5-6	.0	2.0	7.2	.1	.0	.0	9.3	
7	.0	.0	1.3	.3	.0	.0	1.6	
8-9	.0	.0	.2	.0	.0	.0	.2	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.4	.2	.0	.0	.0	.6	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	14.9	53.4	30.7	.9	.0	.0	100.0	535

PERIOD: (OVER-ALL) 1949-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.1	10.2	14.2	5.5	1.6	.6	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	198	3
6-7	.0	2.0	10.6	12.1	4.2	2.1	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	201	5
8-9	.0	.9	4.6	5.3	1.8	.7	.1	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	95	5
10-11	.0	2.8	2.0	1.5	.7	.4	.5	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	51	4
12-13	.0	.0	1.6	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	4
>13	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	4.2	1.5	2.2	.7	.0	.3	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	58	2
TOTAL																				620	4
PCT	5.3	17.4	35.1	25.7	8.6	4.3	1.5	1.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1912-1978
(OVER-ALL) 1856-1978

AREA 0001 NAURU IS. AND OCEAN IS.
.5S 167.7E

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	1.5	1.0	.8	.0	1.9	.0	.0	.9	6.1	10	.9
87/88	5.9	7.0	4.1	2.9	7.2	3.9	.6	1.9	4.5	1.6	6.3	1.9	46	3.8
85/86	17.6	21.1	13.7	17.6	23.7	26.0	18.5	14.6	24.2	23.4	17.9	39.4	261	21.3
83/84	43.5	38.0	31.5	35.3	39.2	48.0	38.3	58.3	29.5	53.1	26.8	21.2	483	39.5
81/82	29.4	29.6	37.0	32.4	27.8	21.3	40.7	23.3	37.9	19.5	42.9	24.2	378	30.9
79/80	3.5	4.2	12.4	7.4	1.0	.0	1.9	.0	3.0	2.3	4.5	3.0	38	3.1
77/78	.0	.0	1.4	1.5	.0	.0	.0	.0	.8	.0	.9	3.0	6	.5
75/76	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	1.5	2	.2
73/74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
71/72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
69/70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
67/68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
65/66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
63/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	85	71	73	68	97	127	162	103	132	128	112	66	1224	100.0
MEAN	83.4	83.3	82.5	82.7	83.7	83.9	83.1	83.6	83.2	83.5	83.0	83.9	83.3	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1008		1006	1007	1009	1008	1007	1008	1008	86
FEB	1008		1006	1009	1009	1008	1007	1009	1008	78
MAR	1010		1007	1008	1009	1013	1007	1009	1009	74
APR	1010		1008	1011	1011	1012	1008	1011	1010	69
MAY	1010	1005	1006	1008	1010	1005	1008	1008	1009	91
JUN	1009	1009	1008	1010	1010	1008	1009	1010	1009	134
JUL	1009		1008	1009	1010	1010	1008	1010	1009	154
AUG	1010	1010	1007	1008	1010		1009	1009	1009	96
SEP	1010	1010	1009	1011	1010	1013	1010	1010	1010	119
OCT	1011	1009	1008	1010	1011		1008	1010	1010	115
NOV	1007	1008	1008	1009	1008	1009	1008	1009	1008	113
DEC	1009		1008	1007	1009	1007	1007	1009	1008	81
ANN	1009	1009	1008	1009	1010	1009	1008	1009	1009	1190
OBS	210	7	177	151	268	48	142	187		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	1004	1004	1005	1006	1008	1009	1011	1011	1012
FEB	1003	1003	1004	1007	1008	1009	1012	1016	1017
MAR	1005	1005	1005	1007	1008	1010	1018	1018	1019
APR	1004	1004	1005	1008	1010	1011	1016	1021	1022
MAY	1004	1004	1004	1007	1009	1010	1012	1014	1015
JUN	1000	1000	1006	1008	1009	1010	1012	1012	1013
JUL	1003	1006	1007	1008	1009	1010	1012	1012	1013
AUG	1005	1005	1006	1008	1009	1010	1012	1012	1013
SEP	1006	1007	1007	1009	1010	1011	1014	1017	1019
OCT	1001	1001	1007	1009	1010	1011	1013	1013	1015
NOV	997	997	1001	1007	1009	1010	1012	1013	1017
DEC	1003	1003	1004	1007	1009	1010	1012	1020	1021

JANUARY

PERIOD: (PRIMARY) 1944-1978
(OVER-ALL) 1874-1978

AREA 0002 GILBERT ISLANDS
.4N 173.7E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	7.8	.0	.0	.0	.0	7.8	.0	.0	.0	.0	.0		.0	92.2
NE	3.6	.5	1.8	.0	.0	.0	.0	5.9	.0	.0	.0	.0	.0		.0	94.1
E	6.6	1.8	.0	.0	.0	.0	.0	8.4	.0	.0	.0	.0	2.4		.0	89.2
SE	2.1	.0	.0	.0	.0	.0	.0	2.1	.0	.0	.0	.0	.0		.0	97.9
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NW	.0	44.4	.0	.0	.0	.0	.0	44.4	.0	.0	.0	.0	.0		.0	55.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	3.8	1.5	1.5	.0	.0	.0	.0	6.9	.0	.0	.0	.0	.8		.0	92.3
TOT OBS:	130															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	5.4	1.1	2.2	.0	.0	.0	.0	8.7	.0	.0	.0	.0	1.1		.0	90.2
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
18&21	.0	9.1	.0	.0	.0	.0	.0	9.1	.0	.0	.0	.0	.0		.0	90.9
TOT PCT	3.8	1.5	1.5	.0	.0	.0	.0	6.8	.0	.0	.0	.0	.8		.0	92.4
TOT OBS:	132															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	5.0	3.2	1.0	.0	.0		9.3	12.3	8.3	.0	14.6	43.8	11.4	.0	.0	.0
NE	3.9	24.8	10.7	.6	.0	.0		40.1	9.1	39.3	100.0	54.2	31.3	27.3	.0	25.0	75.0
E	1.9	19.6	11.0	1.0	.0	.0		33.6	10.3	33.7	.0	14.6	.0	50.0	.0	71.4	18.8
SE	2.6	4.4	.8	.0	.0	.0		7.8	5.2	8.3	.0	8.3	25.0	.0	.0	3.6	6.3
S	1.3	.0	.0	.0	.0	.0		1.3	2.0	.9	.0	.0	.0	9.1	.0	.0	.0
SW	.3	.6	.0	.6	.0	.0		1.6	12.0	2.2	.0	.0	.0	.0	.0	.0	.0
W	1.0	.0	.6	.0	.0	.0		1.6	6.4	2.2	.0	.0	.0	.0	.0	.0	.0
NW	.6	.6	.8	.0	.0	.0		2.1	8.0	2.6	.0	.0	.0	2.3	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.6							2.6	.0	2.6	.0	8.3	.0	.0	.0	.0	.0
TOT OBS	22	85	42	5	0	0	154		9.2	115	1	12	4	11	0	7	4
TOT PCT	14.3	55.2	27.3	3.2	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.8	5.5	1.9	.0	.0		9.3	12.3	8.2	21.9	11.4	.0
NE	15.3	20.8	3.9	.2	.0		40.1	9.1	39.9	48.4	27.3	43.2
E	8.6	20.3	4.2	.5	.0		33.6	10.3	33.4	10.9	50.0	52.3
SE	6.8	.8	.2	.0	.0		7.8	5.2	8.2	12.5	.0	4.5
S	1.3	.0	.0	.0	.0		1.3	2.0	.9	.0	9.1	.0
SW	1.0	.0	.6	.0	.0		1.6	12.0	2.2	.0	.0	.0
W	1.0	.6	.0	.0	.0		1.6	6.4	2.2	.0	.0	.0
NW	1.3	.6	.2	.0	.0		2.1	8.0	2.6	.0	2.3	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.6						2.6	.0	2.6	8.3	.0	.0
TOT OBS	61	75	17	1	0	154		9.2	116	16	11	11
TOT PCT	39.6	48.7	11.0	.6	.0		100.0		100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	2.6	13.8	56.9	22.4	4.3	.0	.0	8.8	100.0	116
06&09	6.3	6.3	50.0	37.5	.0	.0	.0	9.5	100.0	16
12&15	.0	9.1	54.5	36.4	.0	.0	.0	10.2	100.0	11
18&21	.0	.0	45.5	54.5	.0	.0	.0	11.2	100.0	11
TOT	4	18	85	42	5	0	0	9.2		154
PCT	2.6	11.7	55.2	27.3	3.2	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	7.6	2.1		6.3
NE	2.8	8.3	24.3	3.5		5.4
E	27.1	2.8	4.2	2.1		2.6
SE	3.5	2.8	.0	.0		2.4
S	.0	2.8	.0	.0		3.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.7		8.0
VAR	.0	.0	.0	.0		.0
CALM	2.8	.0	2.8	.0		4.0
TOT OBS	13	6	14	3	36	4.1
TOT PCT	36.1	16.7	38.9	8.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000-149	150-299	300-599	600-999	1000-1999	2000-3499	3500-4999	5000-6499	6500-7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.7	
NE	.7	.0	.0	5.6	9.0	.0	2.8	.0	.0	.0	20.8	
E	2.1	.0	.0	.0	2.1	.0	.0	.0	.0	.0	31.9	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	2.8	.0	.0	.0	.0	.0	2.8	
TOT OBS	1	0	0	2	5	0	1	0	0	0	27	36
TOT PCT	2.8	.0	.0	5.6	13.9	.0	2.8	.0	.0	.0	75.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >30YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
* OR >2000	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
* OR >1000	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
* OR >600	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
* OR >300	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
* OR >150	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
* OR > 0	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
TOTAL	9	9	9	9	9	9	9	9

TOTAL NUMBER OF OBS: 38 PCT FREQ NH <5/8: 76.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
4.7	11.6	37.2	11.6	9.3	7.0	9.3	4.7	4.7 .0	43

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TABLE 8

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PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	1.0	1.9	.2	.0	.0	.0	.0	.0	.0	3.1	
	NO PCP	.6	.0	1.5	.8	.0	.0	1.0	.0	.0	.0	4.6	
	TOT %	.6	1.0	3.5	1.0	.8	.0	.0	1.0	.0	.0	7.7	
5<10	PCP	.0	.8	.8	.0	.0	.0	.0	.0	.0	.0	1.5	
	NO PCP	1.3	1.0	.6	.2	.0	.0	.0	.0	.0	.0	3.1	
	TOT %	1.3	1.7	1.3	.2	.0	.0	.0	.0	.0	.0	4.6	
10+	PCP	.8	.8	.0	.0	.0	.0	.0	.8	.0	.0	2.3	
	NO PCP	7.1	39.0	27.3	8.1	.8	.8	.8	.0	.0	1.5	85.4	
	TOT %	7.9	39.8	27.3	8.1	.8	.8	.8	.8	.0	1.5	87.7	
	TOT OBS												130
	TOT PCT	9.8	42.5	32.1	9.2	1.5	.8	.8	1.7	.0	1.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.8	
	4-10	.0	1.0	2.7	1.0	.0	.0	.0	.8	.0		5.4	
	11-21	.6	.0	.8	.0	.0	.0	.0	.2	.0		1.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.6	1.0	3.5	1.0	.8	.0	.0	1.0	.0	.0	7.7	
5<10	0-3	.0	.8	.0	.0	.0	.0	.0	.0	.6	.0	.8	
	4-10	1.3	1.0	.8	.0	.0	.0	.0	.0	.0		3.1	
	11-21	.0	.0	.6	.2	.0	.0	.0	.0	.0		.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.3	1.7	1.3	.2	.0	.0	.0	.0	.0	.0	4.6	
10+	0-3	.0	3.8	2.3	3.1	.8	.0	.8	.0	.0	1.5	12.3	
	4-10	4.6	24.8	14.0	4.2	.0	.8	.0	.0	.0		48.5	
	11-21	3.3	10.8	9.8	.8	.0	.0	.0	.8	.0		25.4	
	22+	.0	.4	1.2	.0	.0	.0	.0	.0	.0		1.5	
	TOT %	7.9	39.8	27.3	8.1	.8	.8	.8	.8	.0	1.5	87.7	
	TOT OBS												130
	TOT PCT	9.8	42.5	32.1	9.2	1.5	.8	.8	1.7	.0	1.5	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0	25.0	75.0	12
06&09	.0	.0	.0	8.3	16.7	.0	.0	.0	.0	.0	25.0	75.0	12
12&15	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	90.0	10
18&21	.0	.0	.0	14.3	.0	.0	14.3	.0	.0	.0	28.6	71.4	7
TOT	1	0	0	2	5	0	1	0	0	0	9	32	41
PCT	2.4	.0	.0	4.9	12.2	.0	2.4	.0	.0	.0	22.0	78.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	7.6	3.3	89.1	92
06&09	.0	.0	.0	.0	17.6	82.4	17
12&15	.0	.0	.0	16.7	.0	83.3	12
18&21	.0	.0	.0	9.1	9.1	81.8	11
TOT	0	0	0	10	7	115	132
PCT	.0	.0	.0	7.6	5.3	87.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50VSBY	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	30.0	70.0	10
06&09	.0	.0	8.3	16.7	75.0	12
12&15	11.1	11.1	22.2	.0	77.8	9
18&21	.0	.0	14.3	14.3	71.4	7
TOT	1	1	4	6	28	38
PCT	2.6	2.6	10.5	15.8	73.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	3.4	.9	1.7	.0	7	6.0
85/89	.0	.0	.0	.0	1.7	10.3	13.8	4.3	35	30.2
80/84	.0	.0	.0	.0	2.6	9.5	19.8	21.6	62	53.4
75/79	.0	.0	.0	.0	.0	.9	4.3	4.3	11	9.5
70/74	.0	.0	.0	.0	.0	.0	.9	.0	1	.9
TOTAL	0	0	0	0	9	25	47	35	116	100.0
PCT	.0	.0	.0	.0	7.8	21.6	40.5	30.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.6	1.1	2.4	1.1	.9	.0	.0	.0	.0	.0
3.4	8.8	10.1	3.2	.0	.9	.0	1.7	.0	.0
4.7	27.6	16.8	2.4	.0	.0	.9	.2	.0	.9
1.3	3.0	3.4	.9	.0	.0	.0	.0	.0	.9
.9	.0	.0	.0	.0	.0	.0	.0	.0	.0
11.0	40.5	32.8	9.5	.9	.9	.9	1.9	.0	1.7

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	94	93	90	85	78	73	73	84.6	115
06&09	88	87	87	82	76	76	76	82.2	17
12&15	84	83	83	81	78	78	78	80.6	12
18&21	84	83	83	82	77	77	77	81.5	11
TOT	94	93	90	84	78	75	73	83.8	155

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	9.8	19.5	35.4	35.4	84	82
06&09	.0	.0	6.3	31.3	56.3	6.3	80	16
12&15	.0	.0	.0	22.2	66.7	11.1	85	9
18&21	.0	.0	.0	27.3	36.4	36.4	86	11
TOT	0	0	9	26	48	35	84	118

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
6	.0	.0	.0	1.1	1.1	2	.0	2.3
5	.0	.0	.0	1.1	3.4	4	.0	4.5
4	.0	.0	.0	4.5	2.3	6	.0	6.8
3	.0	.0	2.3	4.5	.0	6	.0	6.8
2	.0	.0	4.5	5.7	.0	9	.0	10.2
1	.0	.0	9.1	8.0	.0	15	.0	17.0
0	.0	2.3	9.1	1.1	.0	11	.0	12.5
-1	.0	3.4	8.0	1.1	.0	11	.0	12.5
-2	1.1	2.3	4.5	.0	.0	7	.0	8.0
-3	.0	1.1	8.0	.0	.0	8	.0	9.1
-4	.0	.0	4.5	.0	.0	4	.0	4.5
-5	.0	2.3	.0	.0	.0	2	.0	2.3
-6	.0	1.1	.0	.0	.0	1	.0	1.1
-7/-8	1.1	.0	1.1	.0	.0	2	.0	2.3
TOTAL	2		45		6	88	0	88
		11		24				
PCT	2.3	12.5	51.1	27.3	6.8	100.0		100.0

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.7	.0	.0	.0	.0	2.7
3-4	.0	.0	9.8	3.6	.0	.0	13.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.7	9.8	3.6	.0	.0	16.1

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	4.5	.0	.0	.0	.0	4.5
1-2	.0	8.9	.0	.0	.0	.0	8.9
3-4	.0	14.3	3.6	.0	.0	.0	17.9
5-6	.0	.0	8.9	.0	.0	.0	8.9
7	.0	.0	7.1	.0	.0	.0	7.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	27.7	19.6	.0	.0	.0	47.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	6.3	.0	.0	.0	.0	6.3
1-2	.0	8.9	.0	.0	.0	.0	8.9
3-4	.0	.0	3.6	.0	.0	.0	3.6
5-6	.0	.0	5.4	.0	.0	.0	5.4
7	.0	.0	3.6	.0	.0	.0	3.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	15.2	12.5	.0	.0	.0	27.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	3.6	.9	.0	.0	.0	.0	4.5
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.6	.9	.0	.0	.0	.0	4.5

PERIOD: (OVER-ALL) 1963-1978

JANUARY

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	3.6	.0	.0	.0	.0	.0	3.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.6	.0	.0	.0	.0	.0	3.6

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.9	.0	.0	.0	.9
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.9	.0	.0	.0	.9

HGT	TOTAL PCT
<1	.0
1-2	.0
3-4	.9
5-6	.0
7	.0
8-9	.0
10-11	.0
12	.0
13-16	.0
17-19	.0
20-22	.0
23-25	.0
26-32	.0
33-40	.0
41-48	.0
49-60	.0
61-70	.0
71-86	.0
87+	.0
TOT PCT	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	10.7	.0	.0	.0	.0	10.7	
1-2	3.6	21.4	.0	.0	.0	.0	25.0	
3-4	.0	14.3	17.9	3.6	.0	.0	35.7	
5-6	.0	.0	14.3	.0	.0	.0	14.3	
7	3.6	.0	10.7	.0	.0	.0	14.3	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								28
TOT PCT	7.1	46.4	42.9	3.6	.0	.0	100.0	

PERIOD: (OVER-ALL) 1952-1978

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.5	10.0	5.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	3
6-7	.0	.0	2.5	10.0	12.5	2.5	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	6
8-9	.0	.0	.0	5.0	10.0	5.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	7
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	7.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3
>13	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	2.5	.0	5.0	2.5	2.5	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	4
TOTAL	2	4	8	10	10	4	2	0	0	0	0	0	0	0	0	0	0	0	0	40	5
PCT	5.0	10.0	20.0	25.0	25.0	10.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1944-1978
(OVER-ALL) 1873-1978

AREA 0002 GILBERT ISLANDS
.6N 173.7E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.8		.0	91.2
NE	4.6	2.6	.0	.0	.0	.0	.0	7.1	2.0	2.0	.0	.0	.5		.0	90.3
E	1.0	4.1	2.8	.0	.0	.0	.0	5.9	2.8	.0	.0	.0	.0		.0	91.3
SE	.0	11.1	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0		.0	88.9
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
W	.0	33.3	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0		.0	66.7
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	2.0	3.3	1.3	.0	.0	.0	.0	6.6	2.0	.7	.0	.0	.7		.0	90.7
TOT OBS:	151															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	1.9	2.9	1.9	.0	.0	.0	.0	6.8	1.0	.0	.0	.0	1.0		.0	91.3
06&09	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0		.0	90.0
12&15	5.9	5.9	.0	.0	.0	.0	.0	11.8	.0	11.8	.0	.0	.0		.0	82.4
18&21	.0	6.7	.0	.0	.0	.0	.0	6.7	.0	.0	.0	.0	.0		.0	93.3
TOT PCT	1.9	3.2	1.3	.0	.0	.0	.0	6.5	1.9	1.3	.0	.0	.6		.0	90.3
TOT OBS:	155															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.8	3.4	2.0	.0	.0	.0		6.2	9.3	6.3	.0	.0	.0	9.5	.0	16.7	.0
NE	4.2	17.9	15.0	.7	.0	.0		37.9	9.8	38.5	.0	41.7	75.0	40.5	.0	19.[illegible]	20.8
E	3.0	23.2	14.1	2.1	.0	.0		42.4	10.4	47.1	.0	25.0	25.0	26.2	100.0	27.8	79.2
SE	1.0	4.2	2.3	.0	.0	.0		7.5	8.3	5.8	.0	6.7	.0	14.3	.0	25.0	.0
S	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	1.1	.0	.0	.0	.0	.0		1.1	2.0	.0	100.0	6.7	.0	.0	.0	.0	.0
W	.0	1.1	.6	.0	.0	.0		1.7	9.0	.8	.0	6.7	.0	4.8	.0	.0	.0
NW	.0	2.7	.0	.0	.0	.0		2.7	9.0	1.5	.0	13.3	.0	.0	.0	11.1	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.6							.6	.0	.0	.0	.0	.0	4.8	.0	.0	.0
TOT OBS	19	93	60	5	0	0	177		9.8	120	1	15	4	21	1	9	6
TOT PCT	10.7	52.5	33.9	2.8	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.0	3.7	.6	.0	.0		6.2	9.3	6.2	.0	9.1	10.0
NE	12.6	22.7	2.5	.0	.0		37.9	9.8	38.2	48.7	38.6	20.0
E	10.2	28.0	3.1	1.1	.0		42.4	10.4	46.7	25.0	29.5	48.3
SE	1.8	5.6	.0	.0	.0		7.5	8.3	5.8	5.3	13.6	15.0
S	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
SW	1.1	.0	.0	.0	.0		1.1	2.0	.8	5.3	.0	.0
W	.6	1.1	.0	.0	.0		1.7	9.0	.8	5.3	4.5	.0
NW	.0	2.7	.0	.0	.0		2.7	9.0	1.4	10.5	.0	6.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.6						.6	.0	.0	.0	4.5	.0
TOT OBS	31	113	11	2	0	177		9.8	121	19	22	15
TOT PCT	28.8	69.8	6.2	1.1	.0		100.0		100.0	100.0	100.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1944-1978
(OVER-ALL) 1873-1978

AREA 0002 GILBERT ISLANDS
.6N 173.7E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00603	.0	12.4	46.3	38.0	3.3	.0	.0	10.1	100.0	121
06609	.0	10.5	63.2	26.3	.0	.0	.0	9.4	100.0	19
12615	4.5	.0	68.2	27.3	.0	.0	.0	8.4	100.0	22
18621	.0	6.7	66.7	20.0	6.7	.0	.0	9.4	100.0	15
TOT	1	18	93	60	5	0	0	9.8		177
PCT	.6	10.2	52.5	33.9	2.8	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	2.1	7.4	.0		5.1
NE	3.7	10.6	7.4	2.1		4.6
E	14.9	6.4	13.8	2.1		4.1
SE	2.7	2.1	2.7	.0		4.0
S	.0	.0	.0	.0		.0
SW	.0	2.1	2.1	.0		4.5
W	.0	.0	4.3	2.1		7.0
NW	.0	.0	6.9	2.1		6.8
VAR	.0	.0	.0	.0		.0
CALM	.0	2.1	.0	.0		4.0
TOT OBS	10	12	21	4	47	4.7
TOT PCT	21.3	25.5	44.7	8.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.6	
NE	.0	.0	.0	.0	.0	2.1	.0	.0	.0	.0	21.8	
E	.0	.0	.0	.0	2.1	2.1	.0	.0	.0	.0	33.0	
SE	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	5.3	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	
W	.0	.0	2.1	.0	4.3	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	2.1	.0	.0	.0	.0	6.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	
TOT OBS	0	0	1	1	3	3	0	0	0	0	39	47
TOT PCT	.0	.0	2.1	2.1	6.4	6.4	.0	.0	.0	.0	83.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
* OR >1000	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
* OR >600	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
* OR >300	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
* OR >150	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
* OR > 0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
TOTAL	10	10	10	10	10	10	10	10

TOTAL NUMBER OF OBS: 50 PCT FREQ NH <5/8: 80.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.0	16.9	28.8	16.9	11.9	5.1	11.9	3.4	5.1	.0	59

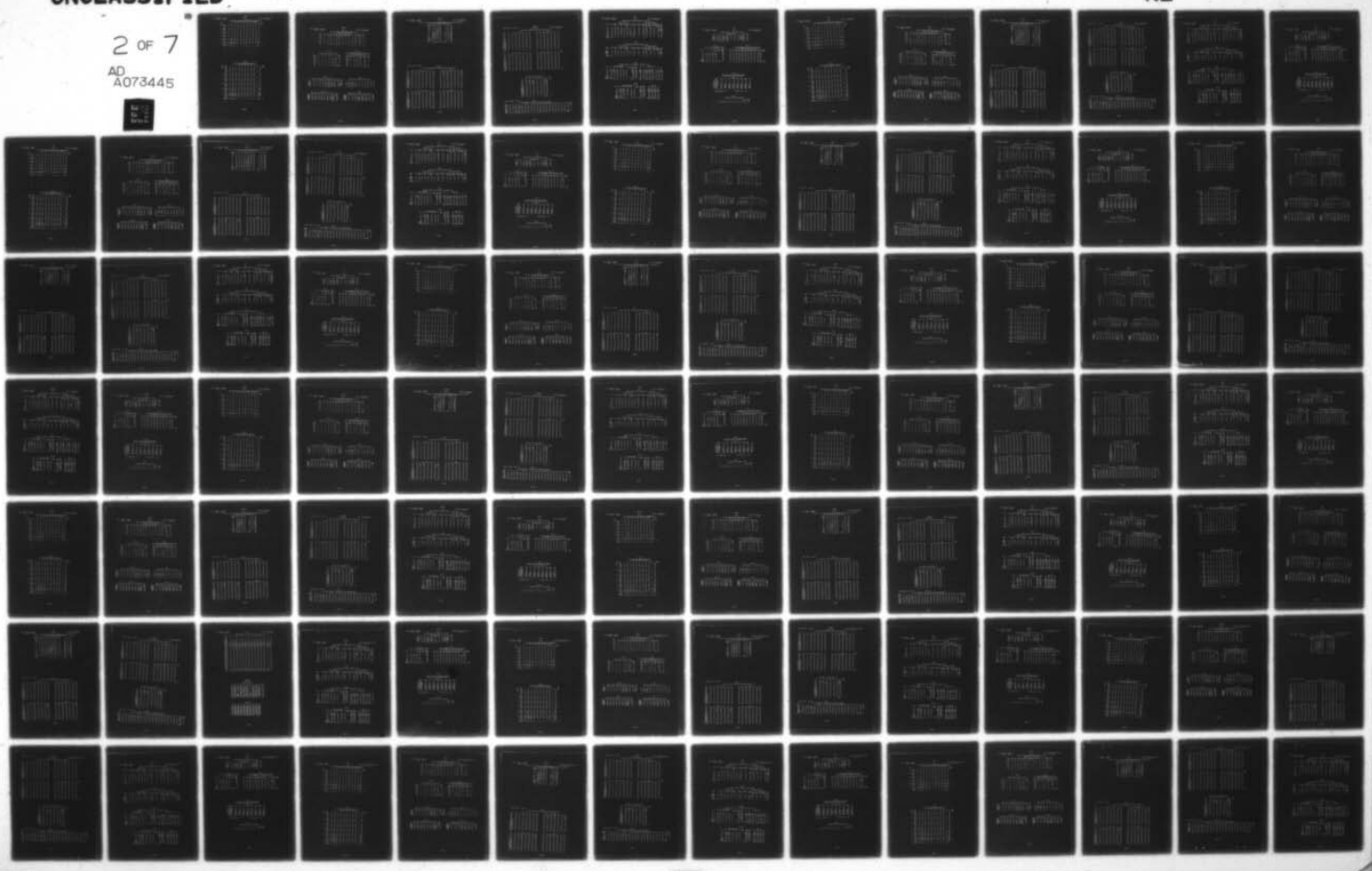
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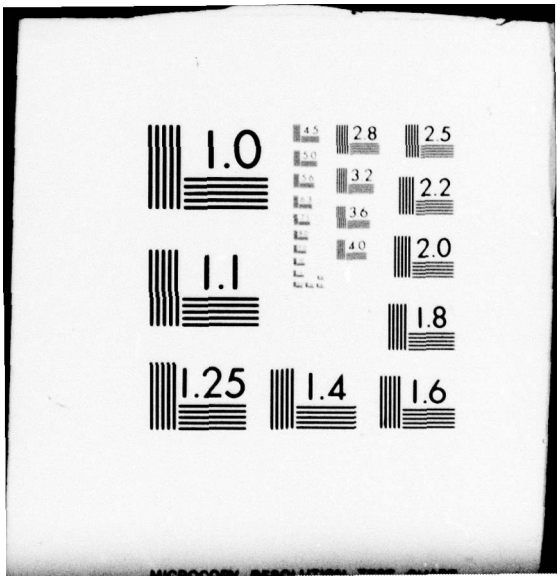
SEP 79

UNCLASSIFIED NL

2 OF 7

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PERIOD: (PRIMARY) 1944-1978
(OVER-ALL) 1873-1978

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.5	.2	.0	.0	.0	.0	.0	.0	.7	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.5	.2	.0	.0	.0	.0	.0	.0	.7	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.7	
	NO PCP	.7	2.2	4.3	.2	.0	.0	.0	.0	.0	.0	7.3	
	TOT %	.7	2.2	4.3	.8	.0	.0	.0	.0	.0	.0	7.9	
10+	PCP	.0	2.3	2.3	.0	.0	.0	.7	.0	.0	.0	5.3	
	NO PCP	5.0	28.0	40.6	6.5	.0	1.3	1.3	2.8	.0	.7	86.1	
	TOT %	5.0	30.3	42.9	6.5	.0	1.3	2.0	2.8	.0	.7	91.4	
	TOT OBS												151
	TOT PCT	5.6	32.5	47.7	7.5	.0	1.3	2.0	2.8	.0	.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.5	.2	.0	.0	.0	.0	.0		.6	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.5	.2	.0	.0	.0	.0	.0	.0	.6	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	1.9	
	4-10	.0	2.1	1.1	.0	.0	.0	.0	.0	.0		3.2	
	11-21	.6	.0	.5	.8	.0	.0	.0	.0	.0		1.9	
	22+	.0	.0	.6	.0	.0	.0	.0	.0	.0		.6	
	TOT %	.6	2.1	4.1	.8	.0	.0	.0	.0	.0	.0	7.6	
10+	0-3	.6	3.8	1.1	.8	.0	1.3	.0	.0	.0	.6	8.3	
	4-10	2.5	14.0	23.9	4.6	.0	.0	1.3	2.7	.0		49.0	
	11-21	1.6	14.3	14.5	.8	.0	.0	.6	.0	.0		31.8	
	22+	.0	.8	1.8	.0	.0	.0	.0	.0	.0		2.5	
	TOT %	4.8	33.0	41.2	6.2	.0	1.3	1.9	2.7	.0	.6	91.7	
	TOT OBS												157
	TOT PCT	5.4	35.0	45.9	7.2	.0	1.3	1.9	2.7	.0	.6	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1944-1978
(OVER-ALL) 1873-1978

TABLE 10

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PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	6.3	12.5	.0	.0	.0	.0	18.8	81.3	16
06&09	.0	.0	6.3	.0	.0	6.3	.0	.0	.0	.0	12.5	87.5	16
12&15	.0	.0	.0	.0	15.4	.0	.0	.0	.0	.0	15.4	84.6	13
18&21	.0	.0	.0	11.1	.0	22.2	.0	.0	.0	.0	33.3	66.7	9
TOT	0	0	1	1	3	5	0	0	0	0	10	44	54
PCT	.0	.0	1.9	1.9	5.6	9.3	.0	.0	.0	.0	18.5	81.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	1.0	.0	5.7	93.3	105
06&09	5.0	.0	.0	.0	15.0	80.0	20
12&15	.0	.0	.0	.0	5.0	95.0	20
18&21	.0	.0	.0	.0	12.5	87.5	16
TOT	1	0	1	0	12	147	161
PCT	.6	.0	.6	.0	7.5	91.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <3	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	21.4	78.6	14
06&09	.0	13.3	13.3	6.7	80.0	15
12&15	.0	.0	.0	15.4	84.6	13
18&21	.0	.0	12.5	25.0	62.5	8
TOT	0	2	3	8	39	50
PCT	.0	4.0	6.0	16.0	78.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	2.3	.8	.0	.0	4	3.1
85/89	.0	.0	.0	.0	3.8	13.0	3.8	3.1	31	23.7
80/84	.0	.0	.0	.0	3.1	19.1	24.4	22.1	90	68.7
75/79	.0	.0	.0	.0	.0	1.5	.8	2.3	6	4.6
TOTAL	0	0	0	0	12	45	38	36	131	100.0
PCT	.0	.0	.0	.0	9.2	34.4	29.0	27.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	1.3	1.7	.0	.0	.0	.0	.0	.0	.0
2.7	5.2	12.2	1.9	.0	.0	.8	1.0	.0	.0
2.7	23.7	30.6	2.7	.0	.0	1.5	1.5	.0	.0
.0	.8	1.5	1.7	.0	.0	.0	.0	.0	.8
5.3	30.9	51.9	6.3	.0	.0	2.3	2.5	.0	.8

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	96	92	90	84	80	79	78	84.4	119
06&09	88	87	87	83	81	81	81	83.5	20
12&15	84	83	83	82	77	77	77	81.7	18
18&21	84	83	83	82	79	79	79	82.0	15
TOT	96	92	89	83	80	78	77	83.8	172

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	11.8	36.6	22.6	29.0	81	93
06&09	.0	.0	7.7	30.8	61.5	.0	79	13
12&15	.0	.0	.0	23.1	46.2	30.8	84	13
18&21	.0	.0	.0	30.8	30.8	38.5	87	13
TOT	0	0	12	45	39	26	82	132

PERIOD: (PRIMARY) 1944-1978
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
9/10	.0	.0	.0	1.0	1	.0	1.0
7/8	.0	.0	.0	1.0	1	.0	1.0
6	.0	.0	1.0	1.0	2	.0	2.0
5	.0	.0	3.0	1.0	4	.0	4.0
4	.0	.0	1.0	1.0	2	.0	2.0
3	.0	.0	4.0	.0	4	.0	4.0
2	.0	6.0	4.0	.0	10	.0	10.0
1	.0	4.0	5.0	.0	9	.0	9.0
0	.0	14.0	1.0	.0	15	.0	15.0
-1	2.0	22.0	2.0	.0	26	.0	26.0
-2	1.0	11.0	.0	.0	12	.0	12.0
-3	1.0	6.0	2.0	.0	9	.0	9.0
-4	2.0	.0	1.0	.0	3	.0	3.0
-6	.0	1.0	.0	.0	1	.0	1.0
-7/-8	1.0	.0	.0	.0	1	.0	1.0
TOTAL	7		24			0	100
		64		5	100		
PCT	7.0	64.0	24.0	5.0	100.0		100.0

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.6	.0	.0	.0	.0	2.6
3-4	.0	2.0	2.6	.0	.0	.0	4.6
5-6	.0	.0	4.6	.0	.0	.0	4.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.6	7.2	.0	.0	.0	11.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	5.3	.0	.0	.0	.0	5.3
1-2	.0	5.9	.0	.0	.0	.0	5.9
3-4	.0	2.6	3.3	.0	.0	.0	5.9
5-6	.0	2.6	6.6	.0	.0	.0	9.2
7	.0	.0	2.6	.0	.0	.0	2.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.4	12.5	.0	.0	.0	28.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	2.0	12.5	5.3	.0	.0	.0	19.7
3-4	.0	.0	2.0	.0	.0	.0	2.0
5-6	.0	2.6	11.8	.0	.0	.0	14.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.0	15.1	19.1	.0	.0	.0	36.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.7	2.6	.0	.0	.0	.0	3.3
3-4	.0	2.6	.0	.0	.0	.0	2.6
5-6	.0	.0	.7	.0	.0	.0	.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	5.3	.7	.0	.0	.0	6.6

PERIOD: (OVER-ALL) 1962-1978 FEBRUARY AREA 0002 GILBERT ISLANDS .6N 173.7E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.6	.0	.0	.0	.0	2.6
1-2	.0	2.6	.0	.0	.0	.0	2.6
3-4	.0	.0	2.6	.0	.0	.0	2.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.3	2.6	.0	.0	.0	7.9

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	3.3	.0	.0	.0	.0	3.3	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	2.6	.0	.0	.0	.0	2.6	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	5.9	.0	.0	.0	.0	5.9	97.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.6	7.9	.0	.0	.0	.0	10.5	
1-2	2.6	26.3	5.3	.0	.0	.0	34.2	
3-4	.0	10.5	10.5	.0	.0	.0	21.1	
5-6	.0	5.3	23.7	.0	.0	.0	28.9	
7	.0	.0	2.6	.0	.0	.0	2.6	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	2.6	.0	.0	.0	.0	2.6	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	5.3	52.6	42.1	.0	.0	.0	100.0	38

PERIOD: (OVER-ALL) 1965-1978 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.6	5.1	17.9	5.1	12.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	4
6-7	.0	.0	15.4	7.7	10.3	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	5
8-9	.0	.0	2.6	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	.0	.0	2.6	5.1	.0	2.6	.0	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	3	8
TOTAL	1	2	15	8	10	1	1	0	0	0	1	0	0	0	0	0	0	0	0	39	5
PCT	2.6	5.1	38.5	20.5	25.6	2.6	2.6	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1944-1978
(OVER-ALL) 1900-1978

AREA 0002 GILBERT ISLANDS
.5N 176.4E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	2.5	2.5	2.5	.0	.0	.0	.0	7.6	.0	.0	1.3	.0	.0	.0	.0	91.1
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.0	.0	.0	98.8
SE	.0	.0	7.1	.0	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0	92.9
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	100.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	33.3	.0	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	.0	66.7
TOT PCT	2.8	.9	1.8	.0	.0	.0	.0	5.5	.0	.0	.9	.0	.0	.0	.0	93.6
TOT OBS:	109															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00&03	3.6	.0	.0	.0	.0	.0	.0	3.6	.0	.0	1.8	.0	.0	.0	.0	94.5
06&09	.0	3.7	3.7	.0	.0	.0	.0	7.4	.0	.0	3.7	.0	.0	.0	.0	88.9
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18&21	4.5	.0	4.5	.0	.0	.0	.0	9.1	.0	.0	.0	.0	.0	.0	.0	90.9
TOT PCT	2.7	.9	1.8	.0	.0	.0	.0	5.4	.0	.0	1.8	.0	.0	.0	.0	92.9
TOT OBS:	112															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.5	6.0	1.0	.0	.0	.0		9.6	6.0	12.5	.0	.0	5.6	12.5	.0	.0	12.5
NE	5.6	20.8	9.8	.0	.0	.0		36.3	7.8	35.7	.0	20.0	44.4	25.0	.0	28.6	50.0
E	5.8	14.4	15.4	.0	.0	.0		35.6	9.5	30.6	.0	65.0	37.5	37.5	.0	42.9	30.4
SE	6.0	4.6	2.7	.0	.0	.0		13.3	5.8	17.5	.0	5.0	5.3	12.5	.0	14.3	7.1
S	.0	.8	.6	.0	.0	.0		1.5	9.8	.0	.0	10.0	4.2	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	1.3	.0	.0	.0		1.3	13.0	.8	.0	.0	.0	.0	.0	14.3	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.5							2.5	.0	3.2	.0	.0	.0	12.5	.0	.0	.0
TOT OBS	27	56	37	0	0	0	120		7.9	63	0	10	18	8	0	7	14
TOT PCT	22.5	46.7	30.8	.0	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	6.5	3.1	.0	.0	.0		9.6	6.0	12.5	5.6	12.5	8.3
NE	19.0	15.0	2.3	.0	.0		36.3	7.8	35.7	35.7	25.0	42.9
E	13.3	18.8	3.5	.0	.0		35.6	9.5	30.6	47.3	37.5	34.5
SE	9.6	2.9	.8	.0	.0		13.3	5.8	17.5	7.1	12.5	9.5
S	.0	1.5	.0	.0	.0		1.5	9.8	.0	6.3	.0	.0
SW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NW	.0	1.3	.0	.0	.0		1.3	13.0	.8	.0	.0	4.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.5						2.5	.0	3.2	.0	12.5	.0
TOT OBS	61	51	8	0	0	120		7.9	63	28	8	21
TOT PCT	50.8	42.5	6.7	.0	.0		100.0		100.0	100.0	100.0	100.0

MARCH

PERIOD: (PRIMARY) 1944-1978
(OVER-ALL) 1900-1978

AREA 0002 GILBERT ISLANDS
.5N 176.4E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00603	3.2	28.6	46.0	22.2	.0	.0	.0	6.6	100.0	63
06609	.0	7.1	42.9	50.0	.0	.0	.0	10.3	100.0	28
12615	12.5	.0	50.0	37.5	.0	.0	.0	8.3	100.0	8
18621	.0	19.0	52.4	28.6	.0	.0	.0	9.1	100.0	21
TOT	3	24	56	37	0	0	0	7.9		120
PCT	2.5	20.0	46.7	30.8	.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	6.5	.0		6.0
NE	.0	9.7	7.3	7.3		5.9
E	10.5	21.0	8.9	2.4		3.6
SE	.8	4.8	3.2	3.2		4.7
S	.0	3.2	.0	.0		4.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	3.2	.0		6.0
TOT OBS	6	12	9	4	31	4.9
TOT PCT	19.4	38.7	29.0	12.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	
NE	.0	.0	.0	12.9	.0	.0	.0	.0	.0	.0	11.3	
E	.0	.0	.0	.0	3.2	.0	.0	.0	.0	.0	47.6	
SE	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.9	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	
TOT OBS	1	0	0	4	1	0	0	0	0	0	25	31
TOT PCT	3.2	.0	.0	12.9	3.2	.0	.0	.0	.0	.0	80.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >9000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >1000	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
* OR >600	6.1	15.2	15.2	15.2	15.2	15.2	15.2	15.2
* OR >300	6.1	15.2	15.2	15.2	15.2	15.2	15.2	15.2
* OR >150	6.1	15.2	15.2	15.2	15.2	15.2	15.2	15.2
* OR > 0	6.1	15.2	18.2	18.2	18.2	18.2	18.2	18.2
TOTAL	2	5	6	6	6	6	6	6

TOTAL NUMBER OF OBS: 33 PCT FREQ NH <5/8: 81.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.0	16.2	24.3	18.9	18.9	2.7	2.7	5.4	8.1	2.7	37

MARCH

PERIOD: (PRIMARY) 1944-1978
(OVER-ALL) 1900-1978

TABLE 8

AREA 0002 GILBERT ISLANDS
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PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.9	
	NO PCP	.0	.5	.5	.0	.0	.0	.0	.0	.0	.0	.9	
	TOT %	.0	.5	.5	.0	.0	.0	.0	.0	.0	.9	1.8	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.9	
	NO PCP	.0	1.1	2.5	.0	.0	.0	.0	.0	.0	.0	3.7	
	TOT %	.0	1.1	2.5	.9	.0	.0	.0	.0	.0	.0	4.6	
5<10	PCP	.0	.9	.0	.0	.0	.0	.0	.9	.0	.0	1.8	
	NO PCP	1.8	3.9	4.1	3.2	.7	.0	.0	.0	.0	.9	14.7	
	TOT %	1.8	4.8	4.1	3.2	.7	.0	.0	.9	.0	.9	16.5	
10+	PCP	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	1.8	
	NO PCP	6.7	27.8	30.3	8.7	.9	.0	.0	.0	.0	.9	75.2	
	TOT %	6.7	29.6	30.3	8.7	.9	.0	.0	.0	.0	.9	77.1	
	TOT OBS												109
	TOT PCT	8.5	36.0	37.4	12.8	1.6	.0	.0	.9	.0	2.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.9	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.5	.5	.0	.0	.0	.0	.0	.0		.9	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.5	.5	.0	.0	.0	.0	.0	.0	.9	1.8	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.9	.0	.0	.0	.0	.0	.0	.0		.9	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.9	
2<5	0-3	.0	.2	1.6	.0	.0	.0	.0	.0	.0	.0	1.8	
	4-10	.0	.9	.9	.9	.0	.0	.0	.0	.0		2.7	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	1.1	2.5	.9	.0	.0	.0	.0	.0	.0	4.5	
5<10	0-3	.0	.0	.0	2.7	.0	.0	.0	.0	.0	.9	3.6	
	4-10	1.8	2.7	2.5	.2	.0	.0	.0	.0	.0		7.2	
	11-21	.0	2.0	1.6	.2	.7	.0	.0	.9	.0		5.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.8	4.8	4.1	3.2	.7	.0	.0	.9	.0	.9	16.4	
10+	0-3	1.6	4.3	4.8	2.0	.0	.0	.0	.0	.0	.9	13.6	
	4-10	4.3	17.3	11.8	3.9	.9	.0	.0	.0	.0		38.2	
	11-21	.7	7.7	13.4	2.7	.0	.0	.0	.0	.0		24.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	6.6	29.3	30.0	8.6	.9	.0	.0	.0	.0	.9	76.4	
	TOT OBS												110
	TOT PCT	8.4	36.6	37.0	12.7	1.6	.0	.0	.9	.0	2.7	100.0	

MARCH

PERIOD: (PRIMARY) 1944-1978
(OVER-ALL) 1900-1978

AREA 0002 GILBERT ISLANDS
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	8.3	8.3	.0	.0	.0	.0	.0	16.7	83.3	12
06&09	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	10.0	90.0	10
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	6
18&21	14.3	.0	.0	28.6	.0	.0	.0	.0	.0	.0	42.9	57.1	7
TOT	1	0	0	4	1	0	0	0	0	0	6	29	35
PCT	2.9	.0	.0	11.4	2.9	.0	.0	.0	.0	.0	17.1	82.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	1.8	1.8	.0	1.8	8.9	85.7	56
06&09	.0	3.6	3.6	14.3	17.9	60.7	28
12&15	.0	.0	.0	.0	37.5	62.5	8
18&21	.0	.0	.0	4.5	22.7	72.7	22
TOT	1	2	1	6	18	86	114
PCT	.9	1.8	.9	5.3	15.8	75.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	16.7	8.3	75.0	12
06&09	.0	.0	11.1	.0	88.9	9
12&15	.0	.0	.0	.0	100.0	6
18&21	16.7	16.7	50.0	.0	50.0	6
TOT	1	1	6	1	26	33
PCT	3.0	3.0	18.2	3.0	78.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.0	2.2	1.1	.0	3	3.2
85/89	.0	.0	.0	.0	3.2	8.6	3.2	5.4	19	20.4
80/84	.0	.0	.0	.0	.0	21.3	30.1	16.1	63	67.7
75/79	.0	.0	.0	.0	.0	.0	2.2	6.5	8	8.6
TOTAL	0	0	0	0	1	30	34	28	93	100.0
PCT	.0	.0	.0	.0	3.2	32.3	36.6	28.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
1.1	2.2	.0	.0	.0	.0	.0	.0	.0	.0
.8	8.9	8.5	1.6	.8	.0	.0	.0	.0	.0
7.8	15.9	29.6	12.4	1.1	.0	.0	.0	.0	1.1
.0	5.4	.0	1.1	.0	.0	.0	1.1	.0	1.1
9.7	32.3	37.9	15.1	1.9	.0	.0	1.1	.0	2.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	92	91	90	84	81	76	76	84.5	65
06&09	89	88	87	82	78	77	77	82.8	28
12&15	85	84	84	81	80	80	80	82.1	8
18&21	93	92	86	81	78	75	75	81.7	22
TOT	93	92	89	83	79	76	75	83.5	123

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	4.3	42.6	27.7	25.5	82	47
06&09	.0	.0	4.8	14.3	38.1	42.9	86	21
12&15	.0	.0	.0	50.0	37.5	12.5	81	8
18&21	.0	.0	.0	15.8	57.9	26.3	86	19
TOT	0	0	3	30	35	27	84	95

MARCH

PERIOD: (PRIMARY) 1944-1978
(OVER-ALL) 1900-1978

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
11/13	.0	.0	.0	.0	.0	1.1	1	.0	1.1
9/10	.0	.0	.0	.0	1.1	.0	1	.0	1.1
7/8	.0	.0	.0	.0	1.1	.0	1	.0	1.1
6	.0	.0	1.1	1.1	.0	.0	2	.0	2.2
5	.0	.0	1.1	1.1	2.2	.0	4	.0	4.4
4	.0	.0	2.2	2.2	.0	.0	4	.0	4.4
3	.0	1.1	1.1	1.1	.0	.0	3	.0	3.3
2	.0	.0	3.4	1.1	.0	.0	6	.0	6.7
1	.0	.0	8.9	4.4	.0	.0	12	.0	13.3
0	.0	1.1	10.0	2.2	.0	.0	12	1.1	12.2
-1	.0	2.2	7.8	1.1	.0	.0	10	.0	11.1
-2	.0	1.1	11.1	.0	.0	.0	11	.0	12.2
-3	.0	2.2	6.7	.0	.0	.0	8	.0	8.9
-4	.0	1.1	6.7	.0	.0	.0	7	.0	7.8
-5	.0	3.3	1.1	.0	.0	.0	4	.0	4.4
-6	.0	.0	2.2	.0	.0	.0	2	.0	2.2
-9/-10	1.1	.0	.0	.0	.0	.0	1	.0	1.1
-11/-13	.0	1.1	.0	.0	.0	.0	1	.0	1.1
TOTAL	1	12	59	13	4	1	90	1	89
PCT	1.1	13.3	65.6	14.4	4.4	1.1	100.0	1.1	98.9

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	3.8	.0	.0	.0	.0	3.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YOY PCT	.0	3.8	.0	.0	.0	.0	3.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	7.7	12.5	.0	.0	.0	20.2
5-6	.0	3.8	1.0	.0	.0	.0	4.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	3.8	.0	.0	.0	3.8
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YOY PCT	.0	11.5	17.3	.0	.0	.0	28.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	3.8	7.7	7.7	.0	.0	.0	19.2
3-4	.0	2.9	20.2	.0	.0	.0	23.1
5-6	.0	.0	6.7	.0	.0	.0	6.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YOY PCT	3.8	10.6	34.6	.0	.0	.0	49.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	3.8	.0	.0	.0	.0	3.8
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	1.0	9.6	.0	.0	.0	10.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YOY PCT	3.8	4.8	9.6	.0	.0	.0	14.4

PERIOD: (OVER-ALL) 1963-1978

MARCH

AREA 0002 GILBERT ISLANDS 1.5N 176.4E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.8	.0	.0	.0	.0	3.8
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.8	.0	.0	.0	.0	3.8

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.7	3.7	.0	.0	.0	.0	7.4	
1-2	3.7	11.1	7.4	.0	.0	.0	22.2	
3-4	.0	14.8	40.7	.0	.0	.0	55.6	
5-6	.0	3.7	7.4	.0	.0	.0	11.1	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	3.7	.0	.0	.0	3.7	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	7.4	33.3	59.3	.0	.0	.0	100.0	27

PERIOD: (OVER-ALL) 1957-1978

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.0	9.1	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	2
6-7	.0	.0	12.1	15.2	18.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	3
8-9	.0	.0	.0	3.0	6.1	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	7
10-11	.0	.0	.0	3.0	6.1	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	7
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	3.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	8
TOTAL	1	3	7	7	11	4	0	0	0	0	0	0	0	0	0	0	0	0	0	33	5
PCT	3.0	9.1	21.2	21.2	33.3	12.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1900-1977

AREA 0002 GILBERT ISLANDS
.8N 173.5E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	12.9	.0	.0	.0	.0	12.9	.0	.0	.0	.0	.0	.0	.0	87.1
NE	.0	6.6	.0	.0	.0	.0	.0	6.6	.0	.0	.0	.0	.0	.0	.0	93.4
E	.0	3.1	.0	.0	.0	.0	.0	3.1	3.1	.0	.0	.0	.0	.0	.0	93.8
SE	18.2	.0	.0	.0	.0	.0	.0	18.2	.0	.0	.0	.0	.0	.0	.0	81.8
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.5	3.1	1.5	.0	.0	.0	.0	6.2	1.9	.0	.0	.0	.0	.0	.0	92.3
TOT OBS:	65															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	3.3	3.3	.0	.0	.0	.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0	93.3
06&09	.0	5.6	.0	.0	.0	.0	.0	5.6	.0	.0	.0	.0	.0	.0	.0	94.4
12&15	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	90.0
18&21	.0	.0	12.5	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	.0	87.5
TOT PCT	1.5	3.0	1.5	.0	.0	.0	.0	6.1	1.5	.0	.0	.0	.0	.0	.0	92.4
TOT OBS:	66															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.3	6.1	2.6	.0	.0	.0		9.9	8.7	8.6	100.0	.0	25.0	.0	.0	10.0	100.0
NE	6.7	13.8	2.2	.0	.0	.0		22.8	6.6	33.6	.0	11.5	35.7	9.1	.0	10.0	.0
E	1.0	28.5	23.1	.0	.0	1.3		53.8	11.4	54.3	.0	71.2	35.7	50.0	.0	57.5	.0
SE	.0	2.9	4.2	.0	.0	.0		7.1	11.4	3.6	.0	1.9	3.6	22.7	.0	12.5	.0
S	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.3	.0	.0	.0		.3	11.0	.0	.0	1.9	.0	.0	.0	.0	.0
W	.0	1.0	1.0	.0	.0	.0		1.9	10.0	.0	.0	5.8	.0	6.8	.0	.0	.0
NW	.0	4.2	.0	.0	.0	.0		4.2	6.5	.0	.0	7.7	.0	11.4	.0	10.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	7	44	26	0	0	1	78		9.8	35	1	13	7	11	0	10	1
TOT PCT	9.0	56.4	33.3	.0	.0	1.3		100.0		100.0	100.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	5.1	3.5	1.3	.0	.0		9.9	8.7	11.1	8.8	.0	18.2
NE	13.5	8.7	.6	.0	.0		22.8	6.6	32.6	20.0	9.1	9.1
E	10.9	37.2	4.5	.0	1.3		53.8	11.4	52.8	38.8	50.0	52.3
SE	1.3	5.8	.0	.0	.0		7.1	11.4	3.5	2.5	22.7	11.4
S	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
SW	.0	.3	.0	.0	.0		.3	11.0	.0	1.3	.0	.0
W	.0	1.9	.0	.0	.0		1.9	10.0	.0	3.8	6.8	.0
NW	2.6	1.6	.0	.0	.0		4.2	6.5	.0	5.0	11.4	9.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0						.0	.0	.0	.0	.0	.0
TOT OBS	26	46	5	0	1	78		9.8	36	20	11	11
TOT PCT	33.3	59.0	6.4	.0	1.3		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1900-1977

AREA 0002 GILBERT ISLANDS
.8N 173.5E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00603	.0	11.1	61.1	27.8	.0	.0	.0	8.7	100.0	36
06609	.0	10.0	40.0	45.0	.0	.0	5.0	12.6	100.0	20
12613	.0	.0	54.5	45.5	.0	.0	.0	10.4	100.0	11
18621	.0	9.1	72.7	18.2	.0	.0	.0	7.5	100.0	11
TOT	0	7	44	26	0	0	1	9.8		78
PCT	.0	9.0	56.4	33.3	.0	.0	1.3		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	3.0	3.0	3.0		6.0
NE	12.9	3.0	3.0	3.0		3.3
E	11.4	6.1	29.5	6.1		4.9
SE	3.0	.0	.8	3.0		5.0
S	.0	.0	.0	.0		.0
SW	.0	.0	.0	.8		8.0
W	.0	.0	.0	2.3		8.0
NW	.0	6.1	.0	.0		3.5
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	9	6	12	6	33	4.6
TOT PCT	27.3	18.2	36.4	18.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	3.0	.0	.0	.0	.0	6.1	
NE	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.9	
E	.0	.0	3.0	6.1	3.0	14.4	3.0	.0	.0	.0	23.5	
SE	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	6.1	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	1	0	1	2	1	6	1	0	0	0	21	33
TOT PCT	3.0	.0	3.0	6.1	3.0	18.2	3.0	.0	.0	.0	63.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >90YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
* OR >2000	9.1	15.2	21.2	21.2	21.2	21.2	21.2	21.2
* OR >1000	9.1	15.2	21.2	24.2	24.2	24.2	24.2	24.2
* OR >600	15.2	21.2	27.3	30.3	30.3	30.3	30.3	30.3
* OR >300	18.2	24.2	30.3	33.3	33.3	33.3	33.3	33.3
* OR >150	18.2	24.2	30.3	33.3	33.3	33.3	33.3	33.3
* OR > 0	21.2	27.3	33.3	36.4	36.4	36.4	36.4	36.4
TOTAL	7	9	11	12	12	12	12	12

TOTAL NUMBER OF OBS: 33 PCT FREQ NH <5/8: 63.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.0	30.6	16.7	8.3	11.1	16.7	5.6	2.8	8.3	.0	36

APRIL

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1900-1977

AREA 0002 GILBERT ISLANDS
.8N 173.5E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	1.5	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	1.5	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	1.5	
	TOT %	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	1.5	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	4.6	.0	.0	.0	.0	.0	.0	.0	4.6	
	TOT %	.0	.0	4.6	.0	.0	.0	.0	.0	.0	.0	4.6	
5<10	PCP	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	1.5	
	NO PCP	1.5	.4	5.4	.4	.0	.0	.0	1.5	.0	.0	9.2	
	TOT %	1.5	1.9	5.4	.4	.0	.0	.0	1.5	.0	.0	10.8	
10+	PCP	1.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	3.1	
	NO PCP	8.8	21.5	36.9	6.5	.0	.4	2.3	1.9	.0	.0	78.5	
	TOT %	10.4	21.5	38.5	6.5	.0	.4	2.3	1.9	.0	.0	81.5	
	TOT OBS												65
	TOT PCT	11.9	23.5	50.0	8.5	.0	.4	2.3	3.5	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	1.5	.0	.0	.0	.0	.0	.0		1.5	
	TOT %	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	1.5	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	1.5	.0	.0	.0	.0	.0		1.5	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	1.5	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	1.5	.0	.0	.0	.0	.0	.0		1.5	
	11-21	.0	.4	1.1	.0	.0	.0	.0	.0	.0		1.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.4	2.6	.0	.0	.0	.0	.0	.0	.0	2.9	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	2.9	.0	.0	.0	.0	.0	.0		2.9	
	11-21	.0	.0	1.5	.0	.0	.0	.0	.0	.0		1.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	4.4	.0	.0	.0	.0	.0	.0	.0	4.4	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	1.8	4.0	.0	.0	.0	.0	1.5	.0		7.4	
	11-21	1.5	.0	1.1	.4	.0	.0	.0	.0	.0		2.9	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.5	1.8	5.1	.4	.0	.0	.0	1.5	.0	.0	10.3	
10+	0-3	1.5	6.3	1.1	.0	.0	.0	.0	.0	.0	.0	8.8	
	4-10	7.0	12.5	16.9	1.8	.0	.0	1.1	3.3	.0		42.6	
	11-21	1.5	1.8	18.8	4.4	.0	.4	1.1	.0	.0		27.9	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	9.9	20.6	36.8	6.3	.0	.4	2.2	3.3	.0	.0	79.4	
	TOT OBS												68
	TOT PCT	11.4	22.8	50.4	8.1	.0	.4	2.2	4.8	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1900-1977

AREA 0002 GILBERT ISLANDS
.8N 173.5E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	7.1	.0	.0	7.1	.0	21.4	.0	.0	.0	.0	35.7	64.3	14
06&09	.0	.0	10.0	10.0	.0	10.0	.0	.0	.0	.0	30.0	70.0	10
12&15	.0	.0	.0	.0	20.0	20.0	.0	.0	.0	.0	40.0	60.0	5
18&21	.0	.0	.0	.0	.0	14.3	14.3	.0	.0	.0	28.6	71.4	7
TOT	1	0	1	2	1	6	1	0	0	0	12	24	36
PCT	2.8	.0	2.8	5.6	2.8	16.7	2.8	.0	.0	.0	33.3	66.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	3.2	3.2	.0	6.5	87.1	31
06&09	5.3	.0	.0	5.3	15.8	73.7	19
12&15	.0	.0	10.0	10.0	10.0	70.0	10
18&21	.0	.0	.0	11.1	11.1	77.8	9
TOT	1	1	2	3	7	55	69
PCT	1.4	1.4	2.9	4.3	10.1	79.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND3+	NH <5/8 AND 5+	TOTAL OBS
00&03	7.1	14.3	21.4	21.4	57.1	14
06&09	.0	11.1	22.2	11.1	66.7	9
12&15	.0	.0	40.0	.0	60.0	5
18&21	.0	.0	20.0	20.0	60.0	5
TOT	1	3	8	5	20	33
PCT	3.0	9.1	24.2	15.2	60.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.0	4.3	.0	.0	2	4.3
85/89	.0	.0	.0	.0	.0	4.3	6.5	.0	5	10.9
80/84	.0	.0	.0	.0	.0	15.2	45.7	13.0	34	73.9
75/79	.0	.0	.0	.0	.0	2.2	4.3	.0	3	6.5
60/64	.0	.0	.0	.0	.0	.0	.0	4.3	2	4.3
TOTAL	0	0	0	0	0	12	26	8	46	100.0
PCT	.0	.0	.0	.0	.0	26.1	56.5	17.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	2.7	1.6	.0	.0	.0	.0	.0	.0	.0
.0	2.7	6.0	.0	.0	.0	.0	2.2	.0	.0
6.5	19.6	39.7	6.0	.0	.0	.0	2.2	.0	.0
.0	.0	.0	4.3	.0	.5	1.6	.0	.0	.0
2.2	.0	.0	.0	.0	.0	1.6	.5	.0	.0
8.7	25.0	47.3	10.3	.0	.5	3.3	4.9	.0	.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	92	91	91	84	80	76	76	84.6	37
06&09	86	85	85	83	79	79	79	82.7	19
12&15	84	83	83	81	64	64	64	79.7	11
18&21	86	85	85	81	64	64	64	80.5	11
TOT	92	91	88	83	79	64	64	82.9	78

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	5.3	36.8	42.1	15.8	82	19
06&09	.0	.0	.0	35.7	64.3	.0	81	14
12&15	.0	.0	.0	.0	71.4	28.6	86	7
18&21	.0	.0	.0	.0	57.1	42.9	87	7
TOT	0	0	1	12	26	8	83	47

APRIL

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1900-1977

AREA 0002 GILBERT ISLANDS
.8N 173.5E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	N FOG	WO FOG
9/10	.0	.0	.0	.0	.0	.0	.0	1.8	1	.0	1.8
7/8	.0	.0	.0	.0	.0	.0	1.8	.0	1	.0	1.8
6	.0	.0	.0	.0	.0	.0	1.8	1.8	2	.0	3.6
5	.0	.0	.0	.0	.0	1.8	1.8	1.8	3	.0	5.4
4	.0	.0	.0	.0	.0	1.8	1.8	.0	2	.0	3.6
3	.0	.0	.0	.0	.0	3.6	1.8	1.8	4	.0	7.1
2	.0	.0	.0	.0	.0	7.1	1.8	.0	5	.0	8.9
1	.0	.0	.0	.0	.0	7.1	1.8	.0	5	.0	8.9
0	.0	.0	.0	.0	5.4	17.9	3.6	.0	15	.0	26.8
-1	.0	.0	.0	.0	3.6	8.9	.0	.0	7	.0	12.5
-2	.0	.0	.0	.0	1.8	3.6	.0	.0	3	.0	5.4
-3	.0	.0	.0	.0	.0	1.8	.0	.0	1	.0	1.8
-4	.0	.0	.0	.0	1.8	3.6	.0	.0	3	.0	5.4
-5	.0	.0	.0	.0	.0	1.8	.0	.0	1	.0	1.8
-6	1.8	.0	.0	1.8	.0	.0	.0	.0	2	.0	3.6
-7/-8	1.8	.0	.0	.0	.0	.0	.0	.0	1	.0	1.8
TOTAL	2		0		7		9			0	
		0		1		33		4	56		56
PCT	3.6	.0	.0	1.8	12.5	58.9	16.1	7.1	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	4.2	.0	.0	.0	.0	4.2
1-2	.0	4.2	.0	.0	.0	.0	4.2
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	4.2	.0	.0	.0	.0	4.2
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	12.5	.0	.0	.0	.0	12.5

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	4.2	.0	.0	.0	.0	.0	4.2
3-4	.0	4.2	1.0	.0	.0	.0	5.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	4.2	4.2	1.0	.0	.0	.0	9.4

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	8.3	8.3	.0	.0	.0	16.7
3-4	.0	20.8	13.5	.0	.0	.0	34.4
5-6	.0	.0	4.2	.0	.0	.0	4.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	29.2	26.0	.0	.0	.0	55.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	4.2	10.4	.0	.0	.0	14.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.2	10.4	.0	.0	.0	14.6

PERIOD: (OVER-ALL) 1962-1977

APRIL

TABLE 18 (CONT)

AREA 0002 GILBERT ISLANDS .8N 173.5E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	8.3	.0	.0	.0	.0	8.3	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	8.3	.0	.0	.0	.0	8.3	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	4.2	.0	.0	.0	.0	4.2	
1-2	4.2	12.5	8.3	.0	.0	.0	25.0	
3-4	.0	37.5	25.0	.0	.0	.0	62.5	
5-6	.0	.0	4.2	.0	.0	.0	4.2	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	4.2	.0	.0	.0	.0	4.2	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	4.2	58.3	37.5	.0	.0	.0	100.0	24

PERIOD: (OVER-ALL) 1951-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	2.9	8.8	3.9	2.9	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	3
6-7	.0	.0	20.6	17.6	5.9	.0	8.8	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	4
8-9	.0	.0	.0	2.9	2.9	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	8
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
>13	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	2.9	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	3
TOTAL	1	1	10	12	4	0	3	2	1	0	0	0	0	0	0	0	0	0	0	34	5
PCT	2.9	2.9	29.4	35.3	11.8	.0	8.8	5.9	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MAY

PERIOD: (PRIMARY) 1904-1977
(OVER-ALL) 1879-1977

AREA 0002 GILBERT ISLANDS
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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	5.6	.0	.0	.0	.0	.0	.0	5.6	11.1	.0	.0	.0	.0	.0	.0	83.3
E	.0	1.7	2.2	.0	.0	.0	.0	3.9	.0	.0	.0	.0	.0	.0	.0	96.1
SE	18.6	2.3	9.3	.0	.0	.0	.0	20.9	.0	.0	.0	.0	.0	.0	.0	79.1
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	3.8	1.3	2.6	.0	.0	.0	.0	6.4	2.6	.0	.0	.0	.0	.0	.0	91.0
TOT OBS:	78															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	.0	.0	.0	.0	.0	.0	.0	.0	3.7	.0	.0	.0	.0	.0	.0	96.3
06609	6.3	.0	.0	.0	.0	.0	.0	6.3	.0	.0	.0	.0	.0	.0	.0	93.8
12615	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18621	9.1	4.5	9.1	.0	.0	.0	.0	18.2	4.5	.0	.0	.0	.0	.0	.0	77.3
TOT PCT	3.6	1.2	2.4	.0	.0	.0	.0	6.0	2.4	.0	.0	.0	.0	.0	.0	91.6
TOT OBS:	83															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.8	1.4	.0	.0	.0	.0		2.3	5.6	1.7	.0	.0	.0	7.3	.0	.0	.0
NE	2.1	16.7	7.4	.0	.0	.0		26.2	8.4	31.0	.0	25.0	.0	27.1	.0	18.8	33.3
E	1.9	34.7	20.7	.8	.0	.0		58.1	9.8	56.9	66.7	42.3	100.0	54.2	100.0	67.2	66.7
SE	.2	9.1	1.7	.8	.0	.0		11.8	10.3	10.3	33.3	25.0	.0	7.3	.0	14.1	.0
S	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.8	.0	.0	.0	.0		.8	5.0	.0	.0	7.7	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.8							.8	.0	.0	.0	.0	.0	4.2	.0	.0	.0
TOT OBS	7	76	36	2	0	0	121		9.3	58	3	13	2	24	2	16	3
TOT PCT	5.8	62.8	29.8	1.7	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.7	.6	.0	.0	.0		2.3	5.6	1.6	.0	6.7	.0
NE	11.0	13.1	.2	.0	.0		26.2	8.4	29.5	21.7	25.0	21.1
E	12.2	44.4	1.4	.0	.0		58.1	9.8	57.4	50.0	57.7	67.1
SE	.8	10.1	.8	.0	.0		11.8	10.3	11.5	21.7	6.7	11.8
S	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
SW	.8	.0	.0	.0	.0		.8	5.0	.0	6.7	.0	.0
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.8						.8	.0	.0	.0	3.8	.0
TOT OBS	33	85	3	0	0	121		9.3	61	15	26	19
TOT PCT	27.3	70.2	2.5	.0	.0		100.0		100.0	100.0	100.0	100.0

MAY

PERIOD: (PRIMARY) 1904-1977
(OVER-ALL) 1879-1977

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&04	.0	4.9	65.6	29.5	.0	.0	.0	9.1	100.0	61
06&09	.0	.0	46.7	53.3	.0	.0	.0	10.5	100.0	15
12&15	3.8	7.7	69.2	19.2	.0	.0	.0	8.3	100.0	26
18&21	.0	5.3	57.9	26.3	10.5	.0	.0	10.3	100.0	19
TOT	1	6	76	36	2	0	0	9.3		121
PCT	.8	5.0	62.8	29.8	1.7	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.9	.0	3.3	.0		5.1
NE	5.2	3.3	6.6	5.7		5.1
E	20.8	17.0	16.0	1.4		3.5
SE	6.1	6.1	2.4	2.4		3.5
S	.0	.0	.0	.0		.0
SW	.0	1.9	.0	.0		3.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	18	15	15	5	53	3.9
TOT PCT	34.0	28.3	28.3	9.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	3.8	
NE	.0	.0	.0	1.9	4.2	1.9	.0	.0	.0	.0	12.7	
E	1.4	.0	.0	.0	1.4	.0	.0	.0	.0	.0	52.4	
SE	.5	.0	1.9	.0	.5	1.9	.0	.0	.0	.0	12.3	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	1	0	1	1	4	2	0	0	0	0	44	53
TOT PCT	1.9	.0	1.9	1.9	7.5	3.8	.0	.0	.0	.0	83.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >4000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
* OR >1000	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
* OR >600	12.1	13.8	13.8	13.8	13.8	13.8	13.8	13.8
* OR >300	12.1	13.8	15.5	15.5	15.5	15.5	15.5	15.5
* OR >150	12.1	13.8	15.5	15.5	15.5	15.5	15.5	15.5
* OR > 0	12.1	13.8	15.5	15.5	15.5	17.2	17.2	17.2
TOTAL	7	8	9	9	9	10	10	10

TOTAL NUMBER OF OBS: 58 PCT FREQ NH <5/8: 82.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
1.6	17.7	24.2	25.8	14.5	3.2	1.6	4.8	4.8	1.6	62

PERIOD: (PRIMARY) 1904-1977
(OVER-ALL) 1879-1977

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	1.0	.3	.0	.0	.0	.0	.0	.0	1.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	1.0	.3	.0	.0	.0	.0	.0	.0	1.3	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	2.6	
	NO PCP	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	1.3	
	TOT %	.0	.0	1.3	2.6	.0	.0	.0	.0	.0	.0	3.8	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	1.6	3.5	.0	.0	.0	.0	.0	.0	.0	5.1	
	TOT %	.0	1.6	3.5	.0	.0	.0	.0	.0	.0	.0	5.1	
10+	PCP	.0	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	2.6	
	NO PCP	3.5	20.2	50.0	10.4	.0	1.3	.0	.0	.0	1.3	87.2	
	TOT %	3.5	21.5	51.3	10.9	.0	1.3	.0	.0	.0	1.3	89.7	
	TOT OBS												78
	TOT PCT	3.5	23.1	57.1	13.8	.0	1.3	.0	.0	.0	1.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	1.0	.3	.0	.0	.0	.0	.0		1.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	1.0	.3	.0	.0	.0	.0	.0	.0	1.3	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	1.3	.0	.0	.0	.0	.0		1.3	
	11-21	.0	.0	1.3	.0	.0	.0	.0	.0	.0		1.3	
	22+	.0	.0	.0	1.3	.0	.0	.0	.0	.0		1.3	
	TOT %	.0	.0	1.3	2.6	.0	.0	.0	.0	.0	.0	3.8	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.3	3.5	.0	.0	.0	.0	.0	.0		3.8	
	11-21	.0	1.3	.0	.0	.0	.0	.0	.0	.0		1.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	1.6	3.5	.0	.0	.0	.0	.0	.0	.0	5.1	
10+	0-3	1.3	1.3	2.2	.3	.0	.0	.0	.0	.0	1.3	6.4	
	4-10	2.2	15.1	25.3	8.7	.0	1.3	.0	.0	.0		52.6	
	11-21	.0	5.1	22.4	1.9	.0	.0	.0	.0	.0		29.5	
	22+	.0	.0	1.3	.0	.0	.0	.0	.0	.0		1.3	
	TOT %	3.5	21.5	51.3	10.9	.0	1.3	.0	.0	.0	1.3	89.7	
	TOT OBS												78
	TOT PCT	3.5	23.1	57.1	13.8	.0	1.3	.0	.0	.0	1.3	100.0	

MAY

PERIOD: (PRIMARY) 1964-1977
(OVER-ALL) 1879-1977

AREA 0002 GILBERT ISLANDS
.3N 174.1E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00603	.0	.0	.0	5.9	5.9	5.9	.0	.0	.0	.0	17.6	82.4	17
06609	.0	.0	7.7	.0	7.7	.0	.0	.0	.0	.0	15.4	84.6	13
12615	.0	.0	.0	.0	15.4	7.7	.0	.0	.0	.0	23.1	76.9	13
18621	5.3	.0	.0	5.3	.0	.0	.0	.0	.0	.0	10.5	89.5	19
TOT	1	0	1	2	4	2	0	0	0	0	10	52	62
PCT	1.6	.0	1.6	3.2	6.5	3.2	.0	.0	.0	.0	16.1	83.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00603	.0	.0	.0	3.7	3.7	92.6	27
06609	.0	.0	.0	6.3	.0	93.8	16
12615	.0	.0	.0	.0	.0	100.0	18
18621	4.5	.0	.0	4.5	13.6	77.3	22
TOT	1	0	0	3	4	75	83
PCT	1.2	.0	.0	3.6	4.8	90.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8),BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	.0	.0	6.3	12.5	81.3	16
06609	.0	7.7	7.7	7.7	84.6	13
12615	.0	.0	.0	27.3	72.7	11
18621	5.6	5.6	11.1	.0	88.9	18
TOT	1	2	4	6	48	58
PCT	1.7	3.4	6.9	10.3	82.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	6.7	8.3	3.3	.0	11	18.3
80/84	.0	.0	.0	1.7	.0	26.7	36.7	6.7	43	71.7
75/79	.0	.0	.0	.0	.0	.0	3.3	6.7	6	10.0
TOTAL	0	0	0	1	4	21	26	8	60	100.0
PCT	.0	.0	.0	1.7	6.7	35.0	43.3	13.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	1.7	13.3	3.3	.0	.0	.0	.0	.0	.0
1.7	13.4	42.5	10.4	.0	1.7	.0	.0	.0	.0
1.3	4.2	1.3	3.3	.0	.0	.0	.0	.0	.0
2.9	21.3	57.1	17.1	.0	1.7	.0	.0	.0	.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00603	93	92	90	86	81	81	81	85.6	42
06609	86	85	85	84	79	79	79	82.9	16
12615	84	83	83	81	80	79	79	81.6	27
18621	85	84	84	80	77	77	77	80.7	22
TOT	93	91	89	83	79	77	77	83.2	107

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00603	.0	.0	20.0	35.0	35.0	10.0	78	20
06609	.0	.0	.0	46.2	53.8	.0	80	13
12615	.0	.0	.0	35.7	50.0	14.3	82	14
18621	.0	5.9	.0	29.4	41.2	23.5	82	17
TOT	0	1	4	23	28	8	80	64

MAY

PERIOD: (PRIMARY) 1904-1977
(OVER-ALL) 1879-1977

AREA 0002 GILBERT ISLANDS
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	TOT	N FOG	WD FOG
5	.0	.0	1.4	1	.0	1.4
4	.0	.0	5.4	4	.0	5.4
3	.0	.0	5.4	4	.0	5.4
2	.0	2.7	2.7	4	.0	5.4
1	.0	9.5	1.4	8	.0	10.8
0	.0	12.2	1.4	10	.0	13.5
-1	2.7	13.5	4.1	15	.0	20.3
-2	2.7	9.5	.0	9	.0	12.2
-3	5.4	1.4	.0	5	.0	6.8
-4	2.7	2.7	.0	4	.0	5.4
-5	4.1	1.4	.0	4	.0	5.4
-6	2.7	.0	.0	2	.0	2.7
-7/-8	.0	2.7	.0	2	.0	2.7
-11/-13	1.4	1.4	.0	2	.0	2.7
TOTAL	16	42	16	74	0	74
PCT	21.6	56.8	21.6	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.6	.0	.0	.0	.0	.0	2.6
1-2	.0	4.6	1.3	.0	.0	.0	5.9
3-4	.0	2.6	.7	.0	.0	.0	3.3
5-6	.0	2.6	5.3	.0	.0	.0	7.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	2.6	.0	.0	.0	.0	2.6
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.6	12.5	7.2	.0	.0	.0	22.4

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	2.6	.0	.0	.0	2.6
1-2	2.0	21.1	17.1	.0	.0	.0	40.1
3-4	.0	7.9	2.0	.0	.0	.0	9.9
5-6	.0	2.6	.0	.0	.0	.0	2.6
7	.0	5.3	.0	.0	.0	.0	5.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.0	36.8	21.7	.0	.0	.0	60.5

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	7.9	.0	.0	.0	.0	7.9
1-2	.7	.7	2.6	.0	.0	.0	3.9
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	2.6	.0	.0	2.6
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	8.6	2.6	2.6	.0	.0	14.5

PERIOD: (OVER-ALL) 1963-1977

MAY

TABLE 18 (CONT)

AREA 9002 GILBERT ISLANDS
,3N 174.1E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.6	.0	.0	.0	.0	2.6
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.6	.0	.0	.0	.0	2.6

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

TOTAL PCT

HGT	TOTAL PCT
<1	.0
1-2	.0
3-4	.0
5-6	.0
7	.0
8-9	.0
10-11	.0
12	.0
13-16	.0
17-19	.0
20-22	.0
23-25	.0
26-32	.0
33-40	.0
41-48	.0
49-60	.0
61-70	.0
71-86	.0
87+	.0
TOT PCT	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.0	10.0	2.5	.0	.0	.0	17.5	
1-2	5.0	25.0	20.0	.0	.0	.0	50.0	
3-4	.0	10.0	2.5	.0	.0	.0	12.5	
5-6	.0	5.0	5.0	.0	.0	.0	10.0	
7	.0	5.0	.0	.0	.0	.0	5.0	
8-9	.0	.0	.0	2.5	.0	.0	2.5	
10-11	.0	2.5	.0	.0	.0	.0	2.5	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	10.0	57.5	30.0	2.5	.0	.0	100.0	40

PERIOD: (OVER-ALL) 1952-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	8.6	13.8	8.6	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	80	4
6-7	.0	8.6	12.1	5.2	1.7	1.7	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	29	4
8-9	.0	.0	1.7	1.7	5.2	8.6	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	7
10-11	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	9
12-13	.0	.0	5.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	9
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	1.7	1.7	.0	1.7	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	4
TOTAL	1	11	19	11	6	6	4	0	0	0	0	0	0	0	0	0	0	0	0	58	5
PCT	1.7	19.0	32.8	19.0	10.3	10.3	6.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1902-1977
(OVER-ALL) 1871-1977

AREA 0002 GILBERT ISLANDS
.3N 173.2E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	2.6	.0	.0	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	97.4
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	80.0	.0	.0	.0	.0	.0	80.0	.0	.0	.0	.0	.0	.0	.0	20.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	2.8	.0	.0	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	97.2
TOT OBS:	72															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	6.3	.0	.0	.0	.0	.0	6.3	.0	.0	.0	.0	.0	.0	.0	93.8
06&09	.0	6.3	.0	.0	.0	.0	.0	6.3	.0	.0	.0	.0	.0	.0	.0	93.8
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	2.7	.0	.0	.0	.0	.0	2.7	.0	.0	.0	.0	.0	.0	.0	97.3
TOT OBS:	73															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	2.8	.0	.0	.0	.0		2.8	7.8	4.6	.0	.0	37.5	.0	.0	.0	.0
NE	3.8	9.8	1.3	.0	.0	.0		15.0	6.8	20.4	.0	8.9	12.5	8.3	.0	15.6	.0
E	4.9	25.2	10.7	.9	.0	.0		41.7	8.8	33.8	.0	44.6	.0	44.2	.0	64.1	75.0
SE	3.6	12.0	4.3	.0	.0	.0		19.9	7.6	20.4	.0	32.1	50.0	20.8	.0	1.6	25.0
S	.4	1.3	.9	.0	.0	.0		2.6	9.5	3.7	.0	.0	.0	3.3	.0	.0	.0
SW	1.3	.0	.0	.0	.0	.0		1.3	2.0	.9	.0	.0	.0	3.3	.0	.0	.0
W	1.3	.0	.0	.9	.0	.0		2.1	10.8	4.6	.0	.0	.0	.0	.0	.0	.0
NW	2.6	1.1	.0	.0	.0	.0		3.6	3.4	6.0	.0	7.1	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	11.1							11.1	.0	5.6	.0	7.1	.0	20.0	.0	18.8	.0
TOT OBS	34	61	20	2	0	0	117		7.0	54	0	14	2	30	0	16	1
TOT PCT	29.1	52.1	17.1	1.7	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)				
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.6	2.1	.0	.0	.0		2.8	7.8	4.6	4.7	.0	.0
NE	6.6	8.3	.0	.0	.0		15.0	6.8	20.4	9.4	8.3	14.7
E	15.8	22.6	2.4	.9	.0		41.7	8.8	33.8	39.1	44.2	64.7
SE	9.4	10.3	.2	.0	.0		19.9	7.6	20.4	34.4	20.8	2.9
S	1.7	.0	.9	.0	.0		2.6	9.5	3.7	.0	3.3	.0
SW	1.3	.0	.0	.0	.0		1.3	2.0	.9	.0	3.3	.0
W	1.3	.0	.9	.0	.0		2.1	10.8	4.6	.0	.0	.0
NW	3.4	.2	.0	.0	.0		3.6	3.4	6.0	6.3	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	11.1						11.1	.0	5.6	6.3	20.0	17.6
TOT OBS	60	51	5	1	0	117		7.0	54	16	30	17
TOT PCT	51.3	43.6	4.3	.9	.0		100.0		100.0	100.0	100.0	100.0

JUNE

PERIOD: (PRIMARY) 1902-1977
(OVER-ALL) 1871-1977

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	5.6	29.6	46.3	14.8	3.7	.0	.0	7.0	100.0	54
06&09	6.3	6.3	62.5	25.0	.0	.0	.0	8.1	100.0	16
12&15	20.0	10.0	53.3	16.7	.0	.0	.0	6.6	100.0	30
18&21	17.6	5.9	58.8	17.6	.0	.0	.0	7.1	100.0	17
TOT	13	21	61	20	2	0	0	7.0		117
PCT	11.1	17.9	52.1	17.1	1.7	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	4.9	2.0	2.9	.0		2.9
E	14.8	15.2	19.7	3.3		4.1
SE	11.5	2.5	8.6	.0		3.6
S	.0	.0	.0	.0		.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	1.6	.0		6.0
VAR	.0	.0	.0	.0		.0
CALM	.0	4.9	6.6	1.6		5.1
TOT OBS	19	15	24	3	61	4.0
TOT PCT	31.1	24.6	39.3	4.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.4	1.6	.0	.0	.8	.0	.0	.0	.0	.0	7.0	
E	1.2	.0	.0	1.6	7.4	.0	.0	.0	.0	.0	42.6	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22.5	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	1.6	4.9	.0	.0	.0	.0	.0	6.6	
TOT OBS	1	1	0	2	8	0	0	0	0	0	49	61
TOT PCT	1.6	1.6	.0	3.3	13.1	.0	.0	.0	.0	.0	80.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >90YD	* OR >0
* OR >6500	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
* OR >5000	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
* OR >3500	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
* OR >2000	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
* OR >1000	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
* OR >600	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
* OR >300	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
* OR >150	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7
* OR > 0	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
TOTAL	13	13	13	13	13	13	13	13

TOTAL NUMBER OF OBS: 61 PCT FREQ NH <5/8: 78.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.1	20.3	23.4	20.3	12.5	9.4	6.3	1.6	3.1	.0	64

JUNE

PERIOD: (PRIMARY) 1902-1977
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	2.1	1.0	4.9	2.8	.0	1.4	.0	.3	.0	1.4	13.9	
	TOT %	2.1	1.0	4.9	2.8	.0	1.4	.0	.3	.0	1.4	13.9	
10+	PCP	.0	.0	1.4	.0	.0	.0	.0	1.4	.0	.0	2.8	
	NO PCP	.0	8.3	46.9	15.6	1.4	.0	.0	.0	.0	11.1	83.3	
	TOT %	.0	8.3	48.3	15.6	1.4	.0	.0	1.4	.0	11.1	86.1	
	TOT OBS												72
	TOT PCT	2.1	9.4	53.1	18.4	1.4	1.4	.0	1.7	.0	12.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	1.4	.0	.0	1.4	.0	.0	.0	1.4	4.2	
	4-10	2.1	.3	2.8	2.8	.0	.0	.0	.3	.0		8.3	
	11-21	.0	.7	.7	.0	.0	.0	.0	.0	.0		1.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	2.1	1.0	4.9	2.8	.0	1.4	.0	.3	.0	1.4	13.9	
10+	0-3	.0	1.4	2.4	.3	.0	.0	.0	1.4	.0	11.1	16.7	
	4-10	.0	6.9	30.6	9.7	.0	.0	.0	.0	.0		47.2	
	11-21	.0	.0	15.3	5.6	1.4	.0	.0	.0	.0		22.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	8.3	48.3	15.6	1.4	.0	.0	1.4	.0	11.1	86.1	
	TOT OBS												72
	TOT PCT	2.1	9.4	53.1	18.4	1.4	1.4	.0	1.7	.0	12.5	100.0	

JUNE

PERIOD: (PRIMARY) 1902-1977
(OVER-ALL) 1871-1977

AREA 0002 GILBERT ISLANDS
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	7.7	.0	.0	23.1	.0	.0	.0	.0	.0	30.8	69.2	13
06&09	6.7	.0	.0	.0	6.7	.0	.0	.0	.0	.0	13.3	86.7	15
12&15	.0	.0	.0	4.8	.0	.0	.0	.0	.0	4.8	9.5	90.5	21
18&21	.0	.0	.0	6.7	26.7	.0	.0	.0	.0	.0	33.3	66.7	15
TOT	1	1	0	2	8	0	0	0	0	1	13	51	64
PCT	1.6	1.6	.0	3.1	12.5	.0	.0	.0	.0	1.6	20.3	79.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	12.5	87.5	16
06&09	.0	.0	.0	.0	12.5	87.5	16
12&15	.0	.0	.0	.0	20.0	80.0	25
18&21	.0	.0	.0	.0	6.3	93.8	16
TOT	0	0	0	0	10	63	73
PCT	.0	.0	.0	.0	13.7	86.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50VD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	8.3	8.3	25.0	66.7	12
06&09	6.7	6.7	6.7	6.7	86.7	15
12&15	.0	.0	5.0	5.0	90.0	20
18&21	.0	.0	7.1	28.6	64.3	14
TOT	1	2	4	9	48	61
PCT	1.6	3.3	6.6	14.8	78.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.0	2.4	.0	.0	1	2.4
85/89	.0	.0	.0	2.4	.0	4.8	.0	.0	3	7.1
80/84	.0	.0	.0	.0	4.8	38.1	35.7	7.1	36	85.7
75/79	.0	.0	.0	.0	.0	.0	2.4	.0	1	2.4
70/74	.0	.0	.0	.0	.0	.0	.0	2.4	1	2.4
TOTAL	0	0	0	1	2	19	16	4	42	100.0
PCT	.0	.0	.0	2.4	4.8	45.2	38.1	9.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	1.8	.6	.0	.0	.0	.0	.0	.0
.0	.0	4.2	.6	.0	.0	.0	.0	.0	2.4
3.6	10.1	52.4	9.5	.0	.0	.0	.6	.0	9.5
.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0
3.6	12.5	58.3	10.7	2.4	.0	.0	.6	.0	11.9

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	94	93	91	85	82	78	78	85.4	42
06&09	86	87	87	82	81	81	81	83.6	16
12&15	86	85	84	82	81	73	73	82.2	30
18&21	84	83	83	81	79	79	79	81.1	16
TOT	94	93	88	83	80	73	73	83.5	104

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	10.0	.0	60.0	20.0	10.0	77	10
06&09	.0	.0	11.1	22.2	55.6	11.1	80	9
12&15	.0	.0	7.1	57.1	21.4	14.3	79	14
18&21	.0	.0	.0	30.0	70.0	.0	81	10
TOT	0	1	2	19	17	4	79	43

PERIOD: (PRIMARY) 1902-1977
(OVER-ALL) 1871-1977

AREA 0002 GILBERT ISLANDS
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
9/10	.0	.0	.0	.0	.0	1.5	1	.0	1.5
4	.0	.0	3.1	1.5	.0	.0	3	.0	4.6
3	.0	.0	1.5	.0	.0	.0	1	.0	1.5
2	.0	.0	.0	4.6	.0	.0	3	.0	4.6
1	.0	.0	6.2	4.6	.0	.0	7	.0	10.8
0	1.5	.0	18.5	6.2	.0	.0	17	.0	26.2
-1	.0	.0	16.9	.0	.0	.0	11	.0	16.9
-2	.0	.0	16.9	.0	.0	.0	11	.0	16.9
-3	.0	1.5	3.1	.0	.0	.0	3	.0	4.6
-4	.0	1.5	7.7	.0	.0	.0	6	.0	9.2
-5	.0	1.5	1.5	.0	.0	.0	2	.0	3.1
TOTAL	1		49		0			0	65
		3		11		1	65		
PCT	1.5	4.6	75.4	16.9	.0	1.5	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	6.7	.0	.0	.0	.0	6.7
3-4	.0	4.8	.0	.0	.0	.0	4.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	11.5	.0	.0	.0	.0	11.5

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	3.8	.0	.0	.0	.0	3.8
1-2	.0	20.2	.0	.0	.0	.0	20.2
3-4	.0	17.3	13.5	.0	.0	.0	30.8
5-6	.0	3.8	3.8	.0	.0	.0	7.7
7	.0	.0	7.7	.0	.0	.0	7.7
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	45.2	25.0	.0	.0	.0	70.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.8	.0	.0	.0	.0	3.8
3-4	.0	4.8	1.9	.0	.0	.0	6.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	8.7	1.9	.0	.0	.0	10.6

PERIOD: (OVER-ALL) 1963-1977 JUNE AREA 0002 GILBERT ISLANDS
TABLE 18 (CONT) 3N 173.2E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	92.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	11.1	3.7	.0	.0	.0	.0	14.8	
1-2	.0	29.6	.0	.0	.0	.0	29.6	
3-4	.0	25.9	14.8	.0	.0	.0	40.7	
5-6	.0	3.7	3.7	.0	.0	.0	7.4	
7	.0	.0	7.4	.0	.0	.0	7.4	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	11.1	63.0	25.9	.0	.0	.0	100.0	27

PERIOD: (OVER-ALL) 1956-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	7.9	10.5	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	3
6-7	.0	.0	23.7	36.8	.0	7.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	5
8-9	.0	.0	5.3	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	0
TOTAL	1	3	15	15	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	38	4
PCT	2.6	7.9	39.5	39.5	2.6	7.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1939-1977
(OVER-ALL) 1884-1977

AREA 0002 GILBERT ISLANDS
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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	0.1	12.1	.0	.0	.0	.0	18.2	.0	.0	.0	.0	.0		.0	81.8
NE	4.8	4.8	4.8	.0	.0	.0	.0	14.3	4.8	.0	.0	.0	.0		.0	81.0
E	2.0	2.0	.0	.0	.0	.0	.0	2.9	.7	.0	.0	.0	.0		.0	96.3
SE	.0	0.0	.0	.0	.0	.0	.0	8.0	4.0	.0	3.2	.0	.0		.0	84.8
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0		.0	88.9
TOT PCT	1.6	2.7	1.1	.0	.0	.0	.0	5.4	2.2	.0	.5	.0	.0		.0	91.8
TOT OBS:	184															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	2.3	2.3	.0	.0	.0	.0	.0	4.5	2.3	.0	2.3	.0	.0		.0	90.9
06609	3.9	2.0	2.0	.0	.0	.0	.0	7.8	.0	.0	.0	.0	.0		.0	92.2
12615	2.0	4.1	.0	.0	.0	.0	.0	6.1	.0	.0	.0	.0	.0		.0	93.9
18621	.0	4.7	2.3	.0	.0	.0	.0	7.0	7.0	.0	.0	.0	.0		.0	86.0
TOT PCT	2.1	3.2	1.1	.0	.0	.0	.0	6.4	2.1	.0	.5	.0	.0		.0	90.9
TOT OBS:	187															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.1	3.8	.3	.0	.0	.0		5.2	5.3	4.5	.0	4.9	21.9	4.8	.0	.0	5.0
NE	1.4	9.6	1.0	.0	.0	.0		12.0	7.2	9.4	.0	9.1	23.4	11.1	.0	9.8	37.5
E	2.9	37.8	11.3	.0	.0	.0		52.0	8.2	46.2	100.0	54.9	31.3	59.6	.0	63.6	32.5
SE	2.0	9.0	6.7	.0	.0	.0		17.7	9.0	27.1	.0	14.0	14.1	12.5	.0	14.4	10.0
S	.7	1.7	.2	.0	.0	.0		2.6	5.7	1.4	.0	4.9	7.8	.0	.0	3.0	5.0
SW	.2	.8	.0	.0	.0	.0		1.0	4.6	1.4	.0	3.0	.0	.0	.0	.0	.0
W	.2	1.1	.0	.0	.0	.0		1.3	4.7	2.1	.0	1.8	.0	.0	.0	.0	7.5
NW	.3	2.1	.4	.0	.0	.0		2.9	6.3	3.8	.0	2.4	1.6	4.3	.0	.0	2.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.3							5.3	.0	4.2	.0	4.9	.0	7.7	.0	9.1	.0
TOT OBS	32	148	45	0	0	0	225		7.4	72	1	41	16	52	0	33	10
TOT PCT	14.2	65.8	20.0	.0	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	4.1	1.1	.0	.0	.0		5.2	5.3	4.5	9.6	4.8	1.2
NE	5.2	6.8	.0	.0	.0		12.0	7.2	9.2	13.2	11.1	16.3
E	18.1	33.0	.9	.0	.0		52.0	8.2	46.9	48.2	59.6	56.4
SE	6.1	11.6	.0	.0	.0		17.7	9.0	26.7	14.0	12.5	13.4
S	1.8	.8	.0	.0	.0		2.6	5.7	1.4	5.7	.0	3.5
SW	1.0	.0	.0	.0	.0		1.0	4.6	1.4	2.2	.0	.0
W	1.0	.3	.0	.0	.0		1.3	4.7	2.1	1.3	.0	1.7
NW	1.8	1.1	.0	.0	.0		2.9	6.3	3.8	2.2	4.3	.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	5.3						5.3	.0	4.1	3.5	7.7	7.0
TOT OBS	100	123	2	0	0	225		7.4	73	57	52	43
TOT PCT	44.4	54.7	.9	.0	.0		100.0		100.0	100.0	100.0	100.0

JULY

PERIOD: (PRIMARY) 1939-1977
(OVER-ALL) 1884-1977

AREA 0002 GILBERT ISLANDS
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	4.1	11.0	56.2	28.8	.0	.0	.0	7.8	100.0	73
06&09	3.5	10.5	63.2	22.8	.0	.0	.0	7.7	100.0	57
12&15	7.7	3.8	75.0	13.5	.0	.0	.0	7.4	100.0	52
18&21	7.0	9.3	74.4	9.3	.0	.0	.0	6.7	100.0	43
TOT	12	20	168	45	0	0	0	7.4		225
PCT	5.3	8.9	65.8	20.0	.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.7	1.5	1.9	.0		3.9
NE	1.0	2.7	3.4	1.4		5.1
E	21.2	26.4	10.1	2.7		3.2
SE	4.5	3.3	7.9	.0		4.1
S	.0	.7	1.4	.0		5.0
SW	.0	.7	.0	.0		4.0
W	.0	.0	.0	.0		.0
NW	.0	.3	2.1	.7		6.1
VAR	.0	.0	.0	.0		.0
CALM	.7	2.1	2.1	.7		4.5
TOT OBS	41	55	42	8	146	3.7
TOT PCT	28.1	37.7	28.8	5.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NM >4/8) AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NM <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	3.6	
.0	.0	.0	.0	1.4	.3	.0	.0	.0	.0	6.8	
.0	.0	.0	4.1	1.9	.5	.0	.0	.0	.0	53.9	
.0	.0	.7	.7	.2	.7	.0	.0	.0	.0	13.4	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	1.7	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.7	.7	.0	.0	.0	.0	4.1	
0	0	1	7	8	4	0	0	0	0	126	146
.0	.0	.7	4.8	5.5	2.7	.0	.0	.0	.0	86.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
* OR >1000	8.1	8.1	8.8	8.8	8.8	8.8	8.8	8.8
* OR >600	12.2	13.5	14.2	14.2	14.2	14.2	14.2	14.2
* OR >300	12.2	14.2	14.9	14.9	14.9	14.9	14.9	14.9
* OR >150	12.2	14.2	14.9	14.9	14.9	14.9	14.9	14.9
* OR > 0	12.2	14.2	14.9	14.9	14.9	14.9	14.9	14.9
TOTAL	18	21	22	22	22	22	22	22

TOTAL NUMBER OF OBS: 146 PCT FREQ NM <5/8: 85.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
6.3	18.8	22.5	23.8	13.8	3.8	4.4	3.1	3.8	.0	160

JULY

PERIOD: (PRIMARY) 1939-1977
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	
	NO PCP	.5	.5	1.0	.1	.0	.0	.0	.0	.0	.0	2.2	
	TOT %	.5	.5	1.5	.1	.0	.0	.0	.0	.0	.0	2.7	
5<10	PCP	.3	.5	.5	1.4	.0	.0	.0	.0	.0	.0	2.7	
	NO PCP	.0	2.3	2.7	2.3	.3	.0	.5	.0	.0	.0	8.2	
	TOT %	.3	2.9	3.3	3.7	.3	.0	.5	.0	.0	.0	10.9	
10+	PCP	.5	1.1	.5	.0	.0	.0	.0	.0	.0	.0	2.2	
	NO PCP	3.1	6.9	50.0	13.2	1.9	.7	.8	2.7	.0	4.9	84.2	
	TOT %	3.7	8.0	50.5	13.2	1.9	.7	.8	2.7	.0	4.9	86.4	
	TOT OBS												184
	TOT PCT	4.5	11.4	55.3	17.0	2.2	.7	1.4	2.7	.0	4.9	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.5	.0	.5	.0	.0	.0	.0	.0	.0		1.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	1.1	
1/2<1	0-3	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	
	4-10	.5	.5	.9	.1	.0	.0	.0	.0	.0		2.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.5	.5	1.5	.1	.0	.0	.0	.0	.0	.0	2.7	
5<10	0-3	.0	.8	.3	.0	.0	.0	.0	.0	.0	.0	1.1	
	4-10	.3	1.3	2.5	1.7	.0	.0	.5	.0	.0		6.4	
	11-21	.0	.7	.4	1.9	.3	.0	.0	.0	.0		3.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.3	2.8	3.2	3.6	.3	.0	.5	.0	.0	.0	10.7	
10+	0-3	.4	.0	2.1	1.6	.5	.0	.0	.1	.0	4.8	9.6	
	4-10	2.8	7.4	35.3	7.0	1.3	.7	.8	2.0	.0		57.2	
	11-21	.4	.5	12.3	4.4	.0	.0	.0	.5	.0		18.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	3.6	7.9	49.7	13.0	1.9	.7	.8	2.7	.0	4.8	85.0	
	TOT OBS												187
	TOT PCT	5.3	11.4	54.9	16.7	2.1	.7	1.3	2.7	.0	4.8	100.0	

JULY

PERIOD: (PRIMARY) 1939-1977
(OVER-ALL) 1884-1977

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >6/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	2.6	.0	7.9	2.6	.0	.0	.0	.0	13.2	86.8	38
06&09	.0	.0	.0	4.9	4.9	2.4	.0	.0	.0	.0	12.2	87.8	41
12&15	.0	.0	.0	6.5	2.2	4.3	.0	.0	.0	.0	13.0	87.0	46
18&21	.0	.0	.0	9.1	6.1	3.0	.0	.0	.0	.0	18.2	81.8	33
TOT	0	0	1	8	8	5	0	0	0	0	22	136	158
PCT	.0	.0	.6	5.1	5.1	3.2	.0	.0	.0	.0	13.9	86.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	2.3	11.4	86.4	44
06&09	3.7	1.9	.0	5.6	7.4	81.5	54
12&15	.0	.0	.0	.0	6.1	93.9	49
18&21	.0	.0	.0	2.3	18.6	79.1	43
TOT	2	1	0	5	20	162	190
PCT	1.1	.5	.0	2.6	10.5	85.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8),BY HOUR

HOUR (GMT)	<150 <50VSBY	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.0	2.9	5.7	8.6	85.7	35
06&09	.0	.0	5.3	7.9	86.8	38
12&15	.0	.0	7.1	7.1	85.7	42
18&21	.0	.0	12.1	9.1	78.8	33
TOT	0	1	11	12	125	148
PCT	.0	.7	7.4	8.1	84.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.6	.0	.0	.6	2	1.2
85/89	.0	.0	.0	.0	3.5	8.8	3.5	3.5	33	19.3
80/84	.0	.0	.0	.0	4.1	35.7	28.7	7.6	130	76.0
75/79	.0	.0	.0	.0	.0	.0	2.3	1.2	6	3.5
TOTAL	0	0	0	0	14	76	59	22	171	100.0
PCT	.0	.0	.0	.0	8.2	44.4	34.5	12.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.6	.0	.0	.0	.4	.1	.0	.0
1.0	2.3	9.5	3.8	.7	.1	1.0	.1	.0	.6
2.9	7.5	40.8	14.6	1.8	.6	.0	2.6	.0	5.3
.0	.6	2.2	.1	.0	.0	.0	.0	.0	.6
3.9	10.4	53.1	18.6	2.5	.7	1.5	2.9	.0	6.4

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	91	90	90	85	81	78	78	85.0	68
06&09	88	87	87	83	81	77	77	83.2	57
12&15	86	85	85	82	80	78	78	82.3	56
18&21	90	89	86	81	78	78	78	81.9	44
TOT	91	90	88	83	80	78	77	83.2	222

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	11.9	52.4	23.8	11.9	78	42
06&09	.0	.0	9.8	45.1	27.5	17.6	79	51
12&15	.0	.0	4.3	41.3	50.0	4.3	80	46
18&21	.0	.0	3.7	37.1	40.0	17.1	82	35
TOT	0	0	14	77	61	22	80	174

PERIOD: (PRIMARY) 1939-1977
(OVER-ALL) 1884-1977

TABLE 17

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PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.5	1	.0	.5
11/13	.0	.0	.0	.5	1	.0	.5
7/8	.0	.0	.5	.5	2	.0	1.1
5	.0	.0	.5	.0	1	.0	.5
4	.0	.0	1.6	.5	4	.0	2.2
3	.0	.0	1.1	.0	2	.0	1.1
2	.0	1.6	4.9	.0	12	.0	6.5
1	.0	4.9	2.2	.0	13	.0	7.1
0	.0	16.8	4.3	.0	39	.5	20.7
-1	.0	19.6	1.1	.0	38	.0	20.7
-2	2.2	17.9	.0	.0	37	.0	20.1
-3	1.1	8.7	.0	.0	18	.0	9.8
-4	1.6	4.3	.0	.0	11	.0	6.0
-5	1.1	.5	.0	.0	3	.0	1.6
-6	.0	.5	.0	.0	1	.0	.5
-7/-8	.5	.0	.0	.0	1	.0	.5
TOTAL	12	138	30	4	184	1	183
PCT	6.5	75.0	16.3	2.1	100.0	.5	99.5

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.4	.0	.0	.0	.0	1.4
1-2	.0	.6	.0	.0	.0	.0	.6
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.0	.0	.0	.0	.0	2.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.8	.4	.0	.0	.0	4.2
3-4	.0	1.8	.2	.0	.0	.0	2.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.8	.0	.0	.0	.0	.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.5	.6	.0	.0	.0	7.1

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	2.2	.0	.0	.0	.0	3.0
1-2	.8	29.8	2.0	.0	.0	.0	32.7
3-4	.0	10.7	11.7	.0	.0	.0	22.4
5-6	.0	.0	2.2	.0	.0	.0	2.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	42.7	15.9	.0	.0	.0	60.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.6	1.8	.0	.0	.0	.0	3.4
1-2	.0	5.8	.0	.0	.0	.0	5.8
3-4	.0	1.2	5.0	.0	.0	.0	6.3
5-6	.0	.0	.2	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	8.9	5.2	.0	.0	.0	15.7

PERIOD: (OVER-ALL) 1962-1977

JULY

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.6	.0	.0	.0	.0	1.6
1-2	.8	.0	.0	.0	.0	.0	.8
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	1.6	.0	.0	.0	.0	2.4

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.0	.0	.0	.0	.0	1.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	1.0	.0	.0	.0	.0	1.8

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.6	.0	.0	.0	.0	.6
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.6	.0	.0	.0	.0	.6

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.2	.0	.0	.0	.0	.2
1-2	.0	1.8	.0	.0	.0	.0	1.8
3-4	.0	.8	.8	.0	.0	.0	1.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.8	.8	.0	.0	.0	3.6

HGT	TOTAL PCT
<1	
1-2	
3-4	
5-6	
7	
8-9	
10-11	
12	
13-16	
17-19	
20-22	
23-25	
26-32	
33-40	
41-48	
49-60	
61-70	
71-86	
87+	
TOT PCT	92.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	11.1	7.1	.0	.0	.0	.0	18.3	
1-2	1.6	42.9	2.4	.0	.0	.0	46.8	
3-4	.0	14.3	17.5	.0	.0	.0	31.7	
5-6	.0	.0	2.4	.0	.0	.0	2.4	
7	.0	.8	.0	.0	.0	.0	.8	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	12.7	65.1	22.2	.0	.0	.0	100.0	126

PERIOD: (OVER-ALL) 1950-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.5	9.2	15.4	3.4	1.5	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	43	3
6-7	.0	1.5	13.8	20.8	3.4	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	39	5
8-9	.0	.8	4.6	4.3	2.3	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	5
10-11	.0	.0	3.1	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	4
12-13	.0	.0	1.5	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	1.5	.8	.8	.8	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	3
TOTAL	4	14	51	41	14	2	0	2	0	0	0	0	0	0	0	0	0	0	0	130	4
PCT	3.1	12.3	39.2	31.5	10.8	1.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1904-1977
(OVER-ALL) 1873-1977

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NE	.0	3.0	.0	.0	.0	.0	.0	3.0	12.1	3.0	.0	.0	.0		.0	81.8
E	.0	4.8	3.1	.0	.0	.0	.0	3.5	.0	2.8	.0	.0	.0		.0	92.2
SE	6.3	9.5	.0	.0	.0	.0	.0	15.9	.0	.0	.0	.0	.0		.0	84.1
S	.0	11.8	.0	.0	.0	.0	.0	11.8	.0	.0	.0	.0	.0		.0	88.2
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	42.9	.0	.0	.0	.0		.0	57.1
NW	.0	.0	.0	.0	.0	.0	.0	.0	4.8	.0	.0	.0	.0		.0	95.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	1.4	4.2	1.4	.0	.0	.0	.0	7.0	2.8	1.4	.0	.0	.0		.0	88.7
TOT OBS:	71															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	3.7	3.7	.0	.0	.0	.0	.0	7.4	3.7	.0	.0	.0	.0		.0	88.9
06&09	.0	10.3	.0	.0	.0	.0	.0	10.3	5.3	.0	.0	.0	.0		.0	84.2
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2	.0	.0	.0		.0	93.8
18&21	.0	.0	10.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0		.0	90.0
TOT PCT	1.4	4.2	1.4	.0	.0	.0	.0	6.9	2.8	1.4	.0	.0	.0		.0	88.9
TOT OBS:	72															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.8	.6	.0	.0	.0		1.4	8.0	.0	.0	.0	10.0	.0	.0	12.5	.0
NE	1.8	13.6	1.4	.0	.0	.0		16.9	6.7	17.2	.0	18.8	10.0	17.2	50.0	25.0	.0
E	2.8	26.8	9.8	.6	.0	.0		40.0	8.9	40.5	.0	37.5	30.0	35.9	50.0	45.8	87.5
SE	1.8	15.7	8.5	.2	.0	.0		26.2	9.8	31.9	.0	29.2	17.5	25.0	.0	.0	12.5
S	.0	9.7	.8	.0	.0	.0		6.5	7.7	.0	.0	6.3	22.5	13.6	.0	.0	.0
SW	.8	.8	.0	.0	.0	.0		1.6	5.5	1.7	.0	.0	10.0	.0	.0	.0	.0
W	.0	1.4	.0	.0	.0	.0		1.4	6.8	1.3	.0	.0	.0	.0	.0	16.7	.0
NW	.8	1.8	1.6	.0	.0	.0		4.3	9.7	5.6	.0	.0	.0	6.3	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6							1.6	.0	1.7	.0	8.3	.0	.0	.0	.0	.0
TOT OBS	12	82	28	1	0	0	123		8.5	58	0	12	10	32	1	6	4
TOT PCT	9.8	66.7	22.8	.8	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.8	.8	.0	.0	.0		1.4	8.0	.0	4.5	.0	7.5
NE	9.8	7.1	.0	.0	.0		16.9	6.7	17.2	14.8	18.2	15.0
E	13.6	22.6	3.9	.0	.0		40.0	8.9	40.5	34.1	36.4	62.5
SE	5.1	19.3	1.8	.0	.0		26.2	9.8	31.9	23.9	24.2	5.0
S	2.4	4.1	.0	.0	.0		6.5	7.7	.0	13.6	15.2	.0
SW	.8	.8	.0	.0	.0		1.6	5.5	1.7	4.5	.0	.0
W	.8	.6	.0	.0	.0		1.4	6.8	1.3	.0	.0	10.0
NW	2.4	1.0	.8	.0	.0		4.3	9.7	5.6	.0	6.1	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.6						1.6	.0	1.7	4.5	.0	.0
TOT OBS	46	69	8	0	0	123		8.5	58	22	33	10
TOT PCT	37.4	56.1	6.5	.0	.0		100.0		100.0	100.0	100.0	100.0

AUGUST

PERIOD: (PRIMARY) 1904-1977
(OVER-ALL) 1873-1977

TABLE 4

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PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.7	6.9	65.5	25.9	.0	.0	.0	8.8	100.0	58
06&09	4.5	9.1	77.3	9.1	.0	.0	.0	7.0	100.0	22
12&15	.0	12.1	57.6	27.3	3.0	.0	.0	9.0	100.0	33
18&21	.0	.0	80.0	20.0	.0	.0	.0	8.4	100.0	10
TOT	2	10	82	28	1	0	0	8.5		123
PCT	1.6	8.1	66.7	22.8	.8	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	1.5	5.9	3.7	.0		3.7
E	25.0	22.1	6.6	.0		2.9
SE	.0	4.4	7.4	5.9		5.7
S	.0	.0	2.9	.0		6.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	2.2		8.0
NW	2.9	2.9	2.9	.7		4.6
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	2.9	.0		7.0
TOT OBS	10	12	9	3	34	4.0
TOT PCT	29.4	35.3	26.5	8.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000-149	150-299	300-599	600-999	1000-1999	2000-3499	3500-4999	5000-6499	6500-7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.0	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	53.7	
SE	.0	.0	.0	2.9	2.9	2.9	.0	.0	.0	.0	8.8	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.7	.0	2.9	.0	.0	.0	.0	5.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	
TOT OBS	0	0	0	2	1	2	0	0	0	0	29	34
TOT PCT	.0	.0	.0	5.9	2.9	5.9	.0	.0	.0	.0	85.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	2.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
* OR >1000	2.9	8.8	8.8	8.8	8.8	8.8	8.8	8.8
* OR >600	8.8	14.7	14.7	14.7	14.7	14.7	14.7	14.7
* OR >300	8.8	14.7	14.7	14.7	14.7	14.7	14.7	14.7
* OR >150	8.8	14.7	14.7	14.7	14.7	14.7	14.7	14.7
* OR > 0	8.8	14.7	14.7	14.7	14.7	14.7	14.7	14.7
TOTAL	2	5	5	5	5	5	5	5

TOTAL NUMBER OF OBS: 34 PCT FREQ NH <5/8: 85.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
1.9	25.0	23.1	11.5	23.1	3.8	5.8	1.9	3.8	.0	52

PERIOD: (PRIMARY) 1904-1977
(OVER-ALL) 1873-1977

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	1.4	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	1.4	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	1.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	2.8	
	TOT %	1.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	2.8	
5<10	PCP	.0	.4	1.1	1.4	.0	.0	.0	.0	.0	.0	2.8	
	NO PCP	1.1	2.8	3.9	1.1	1.1	.0	.0	2.8	.0	.0	12.7	
	TOT %	1.1	3.2	4.9	2.5	1.1	.0	.0	2.8	.0	.0	15.5	
10+	PCP	.0	.0	.0	2.1	.7	.0	.0	.0	.0	.0	2.8	
	NO PCP	.0	8.5	37.3	17.6	4.2	1.4	2.5	4.6	.0	1.4	77.5	
	TOT %	.0	8.5	37.3	19.7	4.9	1.4	2.5	4.6	.0	1.4	80.3	
	TOT OBS												71
	TOT PCT	2.5	11.6	45.1	22.2	6.0	1.4	2.5	7.4	.0	1.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	1.4	1.4	.0	1.4	.0	.0	.0	.0		4.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	1.4	1.4	.0	1.4	.0	.0	.0	.0	.0	4.1	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	1.4	.0	1.4	.0	.0	.0	.0	.0	.0		2.7	
	11-21	.0	.0	1.4	.0	.0	.0	.0	.0	.0		1.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.4	.0	2.7	.0	.0	.0	.0	.0	.0	.0	4.1	
5<10	0-3	.0	.3	1.0	.0	.0	.0	.0	.0	.0	.0	1.4	
	4-10	.0	2.4	3.7	1.0	1.0	.0	.0	.0	.0		8.1	
	11-21	1.0	.3	.0	1.4	.0	.0	.0	2.7	.0		5.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.0	3.0	4.7	2.4	1.0	.0	.0	2.7	.0	.0	14.9	
10+	0-3	.0	.0	1.4	2.7	.0	.0	.0	1.4	.0	1.4	6.8	
	4-10	.0	6.1	26.4	11.5	3.4	1.4	2.4	3.0	.0		54.1	
	11-21	.0	2.0	8.1	4.7	1.4	.0	.0	.0	.0		16.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	8.1	35.8	18.9	4.7	1.4	2.4	4.4	.0	1.4	77.0	
	TOT OBS												74
	TOT PCT	2.4	12.5	44.6	21.3	7.1	1.4	2.4	7.1	.0	1.4	100.0	

AUGUST

PERIOD: (PRIMARY) 1964-1973
(OVER-ALL) 1873-1977

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	5.6	5.6	5.6	.0	.0	.0	.0	16.7	83.3	18
06&09	.0	.0	.0	8.3	.0	8.3	.0	.0	.0	.0	16.7	83.3	12
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	13
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	6
TOT	0	0	0	2	1	2	0	0	0	0	5	44	49
PCT	.0	.0	.0	4.1	2.0	4.1	.0	.0	.0	.0	10.2	89.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	14.8	85.2	27
06&09	.0	.0	9.5	4.8	14.3	71.4	21
12&15	.0	.0	.0	6.3	12.5	81.3	16
18&21	.0	.0	9.1	9.1	18.2	63.6	11
TOT	0	0	3	3	11	58	75
PCT	.0	.0	4.0	4.0	14.7	77.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <500YD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	7.1	14.3	78.6	14
06&09	.0	.0	11.1	11.1	77.8	9
12&15	.0	.0	.0	.0	100.0	7
18&21	.0	.0	.0	.0	100.0	4
TOT	0	0	2	3	29	34
PCT	.0	.0	5.9	8.8	85.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.0	5.4	.0	.0	4	5.4
85/89	.0	.0	.0	.0	5.4	6.8	8.1	4.1	18	24.3
80/84	.0	.0	.0	.0	5.4	25.7	20.3	14.9	49	66.2
75/79	.0	.0	.0	.0	.0	.0	.0	4.1	3	4.1
TOTAL	0	0	0	0	8	28	21	17	74	100.0
PCT	.0	.0	.0	.0	10.8	37.8	28.4	23.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	1.4	.0	2.7	.0	.0	.0	1.4	.0	.0
.0	2.4	13.5	7.1	.0	.0	.0	1.4	.0	.0
1.0	7.8	24.3	17.9	7.1	1.4	1.4	4.1	.0	1.4
.0	.0	1.4	1.4	.0	.0	1.0	.3	.0	.0
1.0	11.5	39.2	29.1	7.1	1.4	2.4	7.1	.0	1.4

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	94	93	92	85	81	78	78	85.2	42
06&09	88	87	87	83	80	80	80	83.4	22
12&15	85	84	84	82	79	78	78	82.3	38
18&21	84	83	83	81	77	77	77	81.5	11
TOT	94	93	90	83	80	77	77	83.6	108

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	9.4	37.5	28.1	25.0	81	32
06&09	.0	.0	13.3	26.7	40.0	20.0	81	15
12&15	.0	.0	5.3	47.4	26.3	21.1	81	19
18&21	.0	.0	25.0	37.5	12.5	25.0	80	8
TOT	0	0	8	28	21	17	81	74

PERIOD: (PRIMARY) 1904-1977
(OVER-ALL) 1873-1977

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
14/16	.0	1.6	.0	.0	.0	1	.0	1.6
11/13	.0	.0	.0	.0	1.6	1	.0	1.6
7/8	.0	.0	.0	1.6	1.6	2	.0	3.1
4	.0	4.7	4.7	.0	.0	6	.0	9.4
3	.0	3.1	4.7	.0	.0	5	.0	7.8
2	.0	3.1	3.1	.0	.0	4	.0	6.3
1	.0	4.7	1.6	.0	.0	4	.0	6.3
0	1.6	17.2	3.1	.0	.0	14	.0	21.9
-1	.0	14.1	4.7	.0	.0	12	.0	18.8
-2	1.6	9.4	.0	.0	.0	7	.0	10.9
-3	.0	6.3	1.6	.0	.0	5	.0	7.8
-5	.0	1.6	.0	.0	.0	1	.0	1.6
-7/-8	1.6	1.6	.0	.0	.0	2	.0	3.1
TOTAL	3	43	15	1	2	64	0	64
PCT	4.7	67.2	23.4	1.6	3.1	100.0		100.0

PERIOD: (OVER-ALL) 1968-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	1.8	.0	.0	.0	1.8
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	1.8	.0	.0	.0	1.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	4.9	.6	.0	.0	.0	5.5
1-2	.6	2.4	3.0	.0	.0	.0	6.1
3-4	.0	2.4	.6	.0	.0	.0	3.0
5-6	.0	.6	.0	.0	.0	.0	.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	10.4	4.3	.0	.0	.0	15.2

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	4.9	.0	.0	.0	.0	4.9
1-2	4.3	15.9	1.8	.0	.0	.0	22.0
3-4	.0	7.3	6.1	.0	.0	.0	13.4
5-6	.0	4.3	1.8	.0	.0	.0	6.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	4.3	32.3	9.8	.0	.0	.0	46.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.4	.0	.0	.0	.0	.0	2.4
1-2	.0	1.2	.0	.0	.0	.0	1.2
3-4	.0	5.5	3.0	.0	.0	.0	8.5
5-6	.0	.0	3.0	.0	.0	.0	3.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.4	6.7	6.1	.0	.0	.0	15.2

PERIOD: (OVER-ALL) 1964-1977 AUGUST AREA 0002 GILBERT ISLANDS

TABLE 18 (CONT) 1N 173.9E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	1.8	.0	.0	.0	.0	1.8
5-6	.0	.0	2.4	.0	.0	.0	2.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.8	2.4	.0	.0	.0	4.3

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.3	.0	.0	.0	.0	4.3
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.3	.0	.0	.0	.0	4.3

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	2.4	.0	.0	.0	.0	.0	2.4	
1-2	.0	3.0	4.9	.0	.0	.0	7.9	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.4	3.0	4.9	.0	.0	.0	10.4	97.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	7.3	9.8	2.4	.0	.0	.0	19.5	
1-2	4.9	26.8	9.8	.0	.0	.0	41.5	
3-4	.0	17.1	9.8	.0	.0	.0	26.8	
5-6	.0	4.9	7.3	.0	.0	.0	12.2	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	12.2	58.5	29.3	.0	.0	.0	100.0	41

PERIOD: (OVER-ALL) 1964-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	4.9	4.9	9.8	12.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	5
6-7	.0	2.4	4.9	14.6	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	5
8-9	.0	.0	4.9	4.9	2.4	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	5
10-11	.0	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	3
12-13	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	12.2	.0	2.4	2.4	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	2
TOTAL	5	3	10	13	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	41	4
PCT	12.2	7.3	24.4	31.7	22.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1904-1976
(OVER-ALL) 1887-1976

AREA 0002 GILBERT ISLANDS
.5N 173.6E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA						
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	42.9	.0	57.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	.0	97.6	
TOT OBS:	41															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA						
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.0	93.3	
06609	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	
12615	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	
18621	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	.0	97.6	
TOT OBS:	42															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	1.3	13.5	2.6	.0	.0	.0		17.4	7.3	14.2	.0	17.3	.0	31.3	.0	4.2	.0
E	2.3	34.9	12.2	.0	.0	.0		49.3	9.1	55.0	.0	48.1	.0	31.3	.0	70.8	.0
SE	.3	13.5	4.9	.0	.0	.0		18.8	9.4	20.8	.0	11.5	.0	22.5	.0	8.3	100.0
S	1.3	2.6	3.9	.0	.0	.0		7.9	9.3	3.3	.0	15.4	.0	10.0	.0	8.3	.0
SW	.0	.0	.3	.0	.0	.0		.3	18.0	.8	.0	.0	.0	.0	.0	.0	.0
W	.0	1.3	1.0	.0	.0	.0		2.3	10.5	2.5	.0	.0	.0	.0	.0	8.3	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.9							3.9	.0	3.3	.0	7.7	.0	5.0	.0	.0	.0
TOT OBS	7	30	19	0	0	0	76		8.6	30	0	13	0	20	0	12	1
TOT PCT	9.2	65.8	25.0	.0	.0	.0		100.0		100.0	.0	100.0	.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NE	10.5	6.3	.7	.0	.0		17.4	7.3	14.2	17.3	31.3	3.8
E	15.5	32.2	1.6	.0	.0		49.3	9.1	55.0	48.1	31.3	65.4
SE	4.3	14.1	.3	.0	.0		18.8	9.4	20.8	11.5	22.5	15.4
S	2.6	5.3	.0	.0	.0		7.9	9.3	3.3	15.4	10.0	7.7
SW	.0	.0	.3	.0	.0		.3	18.0	.8	.0	.0	.0
W	1.3	.0	1.0	.0	.0		2.3	10.5	2.5	.0	.0	7.7
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.9						3.9	.0	3.3	7.7	5.0	.0
TOT OBS	29	44	3	0	0	76		8.6	30	13	20	13
TOT PCT	38.2	57.9	3.9	.0	.0		100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1904-1970
(OVER-ALL) 1867-1970

AREA 0002 GILBERT ISLANDS
.5N 173.0E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	3.3	3.3	60.7	29.7	.0	.0	.0	8.9	100.0	30
06&09	7.7	.0	69.2	23.1	.0	.0	.0	8.7	100.0	13
12&15	5.0	15.0	65.0	15.0	.0	.0	.0	7.2	100.0	20
18&21	.0	.0	61.5	38.5	.0	.0	.0	10.0	100.0	13
TOT	3	4	50	19	0	0	0	8.6		76
PCT	3.9	5.3	65.8	25.0	.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	6.6	2.9	.0		4.3
E	11.0	32.4	70.6	.0		3.7
SE	9.6	5.1	.0	.0		2.4
S	.0	.0	2.9	.0		7.0
SW	.0	.0	.0	.7		8.0
W	.0	.0	.0	5.1		8.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	2.9	.0		7.0
TOT OBS	7	15	10	2	34	4.0
TOT PCT	20.6	44.1	29.4	5.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	2.9	.0	.0	.0	.0	4.6	
E	.0	.0	.0	.0	2.9	.0	.0	.0	.0	.0	61.0	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.7	
S	.0	.0	.0	.0	.0	2.9	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	2.2	.0	.0	.0	.0	2.9	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	
TOT OBS	0	0	0	0	1	3	0	0	0	0	30	34
TOT PCT	.0	.0	.0	.0	2.9	8.8	.0	.0	.0	.0	88.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) • OR >10	• OR >5	• OR >2	• OR >1	• OR >1/2	• OR >1/4	• OR >50YD	• OR >0
• OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
• OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
• OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
• OR >2000	5.7	8.6	8.6	8.6	8.6	8.6	8.6	8.6
• OR >1000	8.6	11.4	11.4	11.4	11.4	11.4	11.4	11.4
• OR >600	8.6	11.4	11.4	11.4	11.4	11.4	11.4	11.4
• OR >300	8.6	11.4	11.4	11.4	11.4	11.4	11.4	11.4
• OR >150	8.6	11.4	11.4	11.4	11.4	11.4	11.4	11.4
• OR > 0	8.6	11.4	11.4	11.4	11.4	11.4	11.4	11.4
TOTAL	3	4	4	4	4	4	4	4

TOTAL NUMBER OF OBS: 35 PCT FREQ NH <5/8: 88.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.0	12.5	17.5	30.0	25.0	5.0	5.0	2.5	2.5	.0	40

SEPTEMBER

PERIOD: (PRIMARY) 1906-1970
(OVER-ALL) 1887-1970

AREA 0002 GILBERT ISLANDS
.5N 173.6E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.6	1.8	.0	.0	.0	2.4	
	TOT %	.0	.0	.0	.0	.0	.6	1.8	.0	.0	.0	2.4	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	19.2	57.3	19.2	4.9	.0	2.4	.0	.0	2.4	97.6	
	TOT %	.0	19.2	57.3	19.2	4.9	.0	2.4	.0	.0	2.4	97.6	
	TOT OBS												41
	TOT PCT	.0	19.2	57.3	19.2	4.9	.6	4.3	.0	.0	2.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.6	1.8	.0	.0		2.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.6	1.8	.0	.0	.0	2.4	
10+	0-3	.0	2.4	4.3	.6	2.4	.0	.0	.0	.0	2.4	12.2	
	4-10	.0	10.4	36.1	9.1	2.4	.0	2.4	.0	.0		58.5	
	11-21	.0	2.4	18.9	5.5	.0	.0	.0	.0	.0		26.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	19.2	57.3	19.2	4.9	.0	2.4	.0	.0	2.4	97.6	
	TOT OBS												41
	TOT PCT	.0	19.2	57.3	19.2	4.9	.6	4.3	.0	.0	2.4	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1904-1976
(OVER-ALL) 1887-1976

AREA 0002 GILBERT ISLANDS
.5N 173.6E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >6/8) AND OCCURRENCE OF NM <3/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <3/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	8.3	25.0	.0	.0	.0	.0	33.3	66.7	12
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	7
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	9
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	10
TOT	0	0	0	0	1	3	0	0	0	0	4	34	38
PCT	.0	.0	.0	.0	2.6	7.9	.0	.0	.0	.0	10.5	89.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	6.7	93.3	15
06&09	.0	.0	.0	.0	.0	100.0	8
12&15	.0	.0	.0	.0	.0	100.0	9
18&21	.0	.0	.0	.0	.0	100.0	10
TOT	0	0	0	0	1	41	42
PCT	.0	.0	.0	.0	2.4	97.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >6/8), BY HOUR

HOUR (GMT)	<150 <900YD	<600 <1	<1000 <3	1000+ AND5+	NM <3/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	36.4	63.6	11
06&09	.0	.0	.0	.0	100.0	7
12&15	.0	.0	.0	.0	100.0	7
18&21	.0	.0	.0	.0	100.0	10
TOT	0	0	0	4	31	35
PCT	.0	.0	.0	11.4	88.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	2.7	16.2	2.7	.0	8	21.6
80/84	.0	.0	.0	.0	.0	43.2	16.2	5.4	24	64.9
75/79	.0	.0	.0	.0	.0	5.4	5.4	.0	4	10.8
70/74	.0	.0	.0	.0	.0	.0	.0	2.7	1	2.7
TOTAL	0	0	0	0	1	24	9	3	37	100.0
PCT	.0	.0	.0	.0	2.7	64.9	24.3	8.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	8.1	5.4	2.7	.0	.0	.0	.0	5.4
.0	6.8	35.8	14.2	2.7	.0	2.7	.0	.0	2.7
.0	2.0	8.8	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.7	2.0	.0	.0	.0
.0	8.8	52.7	19.6	5.4	.7	4.7	.0	.0	8.1

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	88	87	87	84	81	72	72	84.3	24
06&09	87	86	86	84	80	80	80	83.6	13
12&15	84	83	83	82	78	78	78	82.1	20
18&21	85	84	84	80	76	76	76	80.4	13
TOT	88	87	87	83	79	72	72	82.8	70

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	7.1	71.4	7.1	14.3	77	14
06&09	.0	.0	.0	87.5	12.5	.0	75	8
12&15	.0	.0	.0	57.1	42.9	.0	79	7
18&21	.0	.0	.0	44.4	44.4	11.1	81	9
TOT	0	0	1	25	9	3	78	38

PERIOD: (PRIMARY) 1904-1976
(OVER-ALL) 1887-1976

AREA 0002 GILBERT ISLANDS
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	TOT	W FOG	WO FOG
9/10	.0	.0	3.0	1	.0	3.0
6	.0	3.0	3.0	2	.0	6.1
4	.0	.0	3.0	1	.0	3.0
2	.0	.0	3.0	1	.0	3.0
1	.0	9.1	3.0	4	.0	12.1
0	3.0	3.0	.0	2	.0	6.1
-1	3.0	9.1	6.1	6	.0	18.2
-2	.0	9.1	.0	3	.0	9.1
-3	12.1	6.1	.0	6	.0	18.2
-4	.0	6.1	.0	2	.0	6.1
-5	.0	9.1	.0	3	.0	9.1
-6	3.0	3.0	.0	2	.0	6.1
TOTAL	7	19	7	33	0	33
PCT	21.2	57.6	21.2	100.0		100.0

PERIOD: (OVER-ALL) 1968-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.6	.0	.0	.0	.0	3.6
3-4	3.6	.9	2.7	.0	.0	.0	7.1
5-6	.0	.0	.9	.0	.0	.0	.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.6	4.5	3.6	.0	.0	.0	11.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.7	.0	.0	.0	.0	.0	2.7
1-2	.0	13.4	3.6	.0	.0	.0	17.0
3-4	.0	12.5	11.6	.0	.0	.0	24.1
5-6	3.6	3.6	6.3	.0	.0	.0	13.4
7	.0	3.6	.0	.0	.0	.0	3.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	6.3	33.0	21.4	.0	.0	.0	60.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	3.6	.0	.0	.0	.0	4.5
1-2	.0	.9	3.6	.0	.0	.0	4.5
3-4	.0	.9	.0	.0	.0	.0	.9
5-6	.0	3.6	.0	.0	.0	.0	3.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	8.9	3.6	.0	.0	.0	13.4

PERIOD: (OVER-ALL) 1963-1976 SEPTEMBER AREA 0002 GILBERT ISLANDS

TABLE 1a (CONT) .5N 173.6E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.6	.0	.0	.0	.0	3.6
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.6	.0	.0	.0	.0	3.6

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.9	.0	.0	.0	.9
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.9	.0	.0	.0	.9

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.6	.0	.0	.0	.0	3.6
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	2.7	.0	.0	.0	2.7
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.6	2.7	.0	.0	.0	6.3

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	96.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	6.9	3.4	.0	.0	.0	.0	10.3	
1-2	3.4	24.1	6.9	.0	.0	.0	34.5	
3-4	3.4	13.8	13.8	.0	.0	.0	31.0	
5-6	3.4	6.9	6.9	.0	.0	.0	17.2	
7	.0	3.4	3.4	.0	.0	.0	6.9	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								29
TOT PCT	17.2	51.7	31.0	.0	.0	.0	100.0	

PERIOD: (OVER-ALL) 1955-1976 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.9	2.9	5.9	11.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	4
6-7	.0	.0	14.7	11.8	.0	14.7	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	6
8-9	.0	.0	14.7	.0	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	4
10-11	.0	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2
12-13	.0	.0	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	0
TOTAL	2	3	12	8	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	34	5
PCT	5.9	8.8	35.3	23.5	5.9	17.6	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1904-1977
(OVER-ALL) 1887-1977

AREA 0002 GILBERT ISLANDS
.3N 174.0E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	13.3	13.3	.0	.0	.0	.0	.0	26.7	.0	.0	.0	.0	.0	.0	.0	73.3
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	5.1	.0	.0	.0	.0	.0	.0	5.1	20.5	.0	.0	.0	.0	.0	.0	74.7
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	19.5	9.8	9.8	.0	.0	.0	.0	39.0	9.8	.0	.0	.0	.0	.0	.0	51.2
W	.0	.0	.0	.0	.0	.0	.0	.0	11.8	11.8	.0	.0	.0	.0	.0	76.5
NW	.0	.0	.0	.0	.0	.0	.0	.0	12.9	.0	.0	.0	.0	.0	.0	87.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	3.2	1.6	.8	.0	.0	.0	.0	5.6	5.6	.8	.0	.0	.0	.0	.0	87.9
TOT OBS:	124															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	5.3	.0	.0	.0	.0	.0	.0	5.3	10.5	.0	.0	.0	.0	.0	.0	84.2
06&09	.0	4.5	.0	.0	.0	.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0	95.5
12&15	4.4	4.4	2.2	.0	.0	.0	.0	11.1	6.7	2.2	.0	.0	.0	.0	.0	80.0
18&21	.0	.0	.0	.0	.0	.0	.0	.0	4.5	.0	.0	.0	.0	.0	.0	95.5
TOT PCT	3.1	2.4	.8	.0	.0	.0	.0	6.3	6.3	.8	.0	.0	.0	.0	.0	86.6
TOT OBS:	127															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.6	.6	.5	.0	.0	.0		1.7	6.7	1.2	.0	.0	.0	3.7	.0	.0	.0
NE	1.2	9.0	2.4	.6	.0	.0		13.3	8.8	17.1	50.0	5.0	.0	13.4	25.0	2.5	33.3
E	1.8	25.8	10.7	.0	.0	.0		38.3	9.2	32.5	50.0	57.5	.0	30.6	75.0	62.5	.0
SE	1.4	9.6	6.4	.0	.0	.0		17.4	8.2	26.2	.0	2.5	100.0	13.9	.0	10.0	33.3
S	2.3	3.2	1.1	.0	.0	.0		6.6	5.9	8.3	.0	8.8	.0	3.2	.0	5.0	33.3
SW	.0	4.3	1.4	1.2	.0	.0		6.9	12.7	4.8	.0	1.3	.0	11.1	.0	10.0	.0
W	.0	4.6	1.1	.0	.0	.0		5.6	9.7	9.6	.0	10.0	.0	5.6	.0	3.8	.0
NW	.6	4.0	.9	.0	.0	.0		5.5	8.3	2.8	.0	5.0	.0	11.1	.0	1.3	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.9							4.9	.0	1.6	.0	10.0	.0	7.4	.0	5.0	.0
TOT OBS	21	100	40	3	0	0	164		8.5	63	2	20	1	54	1	20	3
TOT PCT	12.8	61.0	24.4	1.8	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)				
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21	
N	.6	1.1	.0	.0	.0		1.7	6.7	1.2	.0	3.6	.0	
NE	5.0	7.6	.6	.0	.0		13.3	8.8	18.1	4.8	13.6	6.5	
E	11.0	23.6	3.7	.0	.0		38.3	9.2	33.1	94.8	31.4	54.3	
SE	8.4	9.0	.0	.0	.0		17.4	8.2	25.4	7.1	13.6	13.0	
S	5.5	.6	.5	.0	.0		6.6	5.9	8.1	8.3	3.2	8.7	
SW	1.2	3.7	2.0	.0	.0		6.9	12.7	4.6	1.2	10.9	8.7	
W	.6	4.6	.5	.0	.0		5.6	9.7	9.4	9.5	5.5	2.3	
NW	1.2	4.1	.2	.0	.0		5.5	8.3	2.7	4.8	10.9	1.1	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	4.9						4.9	.0	1.5	9.5	7.3	4.3	
TOT OBS	63	89	12	0	0	164		8.5	65	21	55	23	
TOT PCT	38.4	54.3	7.3	.0	.0		100.0		100.0	100.0	100.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1904-1977
(OVER-ALL) 1887-1977

AREA 0002 GILBERT ISLANDS
.3N 174.0E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.5	6.2	55.4	33.8	3.1	.0	.0	9.5	100.0	65
06&09	9.5	4.8	61.9	23.8	.0	.0	.0	8.5	100.0	21
12&15	7.3	10.9	69.1	10.9	1.8	.0	.0	7.3	100.0	55
18&21	4.3	8.7	56.5	30.4	.0	.0	.0	8.4	100.0	23
TOT	8	13	100	40	3	0	0	8.5		164
PCT	4.9	7.9	61.0	24.4	1.8	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	1.8	.0	.7		4.7
NE	1.1	2.4	1.1	.4		4.3
E	22.3	13.9	8.0	.0		2.8
SE	5.1	3.5	3.3	3.5		4.3
S	1.5	4.0	.7	.9		3.5
SW	.0	.9	1.1	6.2		7.2
W	.7	.0	5.1	.9		6.4
NW	.2	.0	2.9	2.9		6.9
VAR	.0	.0	.0	.0		.0
CALM	2.7	.9	.9	.0		2.8
TOT OBS	38	31	26	18	113	4.1
TOT PCT	33.6	27.4	23.0	15.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	
NE	.9	.0	.0	.2	.0	.0	.0	.0	.0	.0	4.4	
E	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	43.6	
SE	.0	.0	.0	.9	.9	.0	.9	.0	.0	.0	12.8	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	
SW	.0	.0	.0	2.7	2.7	.9	.0	.0	.0	.0	2.0	
W	.0	.0	.0	.0	2.7	1.5	.0	.0	.0	.0	2.4	
NW	.0	.0	.0	1.8	.9	1.1	.0	.0	.0	.0	2.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	3.5	
TOT OBS	1	0	0	8	8	4	1	0	0	0	91	113
TOT PCT	.9	.0	.0	7.1	7.1	3.5	.9	.0	.0	.0	80.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.9	.9	.9	.9	.9	.9	.9	.9
* OR >2000	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
* OR >1000	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
* OR >600	15.9	18.6	18.6	18.6	18.6	18.6	18.6	18.6
* OR >300	15.9	18.6	18.6	18.6	18.6	18.6	18.6	18.6
* OR >150	15.9	18.6	18.6	18.6	18.6	18.6	18.6	18.6
* OR > 0	15.9	19.5	19.5	19.5	19.5	19.5	19.5	19.5
TOTAL	18	22	22	22	22	22	22	22

TOTAL NUMBER OF OBS: 113 PCT FREQ NH <5/8: 80.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
2.5	13.4	30.3	24.4	7.6	5.9	3.4	3.0	6.7	.8	119

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PERIOD: (PRIMARY) 1904-1977
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	1.6	.0	.0	.0	.8	.0	.0	.0	.0	2.4	
	NO PCP	.0	.2	1.4	2.4	.0	.0	.0	.8	.0	.0	4.8	
	TOT %	.0	1.8	1.4	2.4	.0	.8	.0	.8	.0	.0	7.3	
10+	PCP	.0	.0	.0	.8	.0	2.4	.0	.0	.0	.0	3.2	
	NO PCP	2.2	4.2	39.5	12.7	8.7	5.0	6.9	5.4	.0	4.8	89.5	
	TOT %	2.2	4.2	39.5	13.5	8.7	7.5	6.9	5.4	.0	4.8	92.7	
	TOT OBS												124
	TOT PCT	2.2	6.0	40.9	15.9	8.7	8.3	6.9	6.3	.0	4.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	
	4-10	.0	.2	.6	.8	.0	.0	.0	.8	.0		2.4	
	11-21	.0	.8	.0	1.6	.0	.8	.0	.0	.0		3.2	
	22+	.0	.8	.0	.0	.0	.0	.0	.0	.0		.8	
	TOT %	.0	1.8	1.4	2.4	.0	.8	.0	.8	.0	.0	7.2	
10+	0-3	.8	.0	1.6	1.0	3.0	.0	.0	.8	.0	4.8	12.0	
	4-10	.8	3.4	27.2	9.2	4.2	4.8	5.4	4.2	.0		59.2	
	11-21	.6	.8	10.4	3.2	1.4	1.0	1.4	1.2	.0		20.0	
	22+	.0	.0	.0	.0	.0	1.4	.0	.0	.0		1.6	
	TOT %	2.2	4.2	39.2	13.4	8.6	7.4	6.8	6.2	.0	4.8	92.8	
	TOT OBS												125
	TOT PCT	2.2	6.0	40.6	15.8	8.6	8.2	6.8	7.0	.0	4.8	100.0	

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PERIOD: (PRIMARY) 1904-1977
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	2.9	.0	.0	8.8	5.9	5.9	.0	.0	.0	.0	23.5	76.5	34
06&09	.0	.0	.0	4.8	9.5	.0	.0	.0	.0	.0	14.3	85.7	21
12&15	.0	.0	.0	10.5	7.9	2.6	.0	.0	.0	.0	21.1	78.9	38
18&21	.0	.0	.0	.0	4.5	4.5	4.5	.0	.0	.0	13.6	86.4	22
TOT	1	0	0	8	8	4	1	0	0	0	22	93	115
PCT	.9	.0	.0	7.0	7.0	3.5	.9	.0	.0	.0	19.1	80.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	10.5	89.5	38
06&09	.0	.0	.0	.0	4.5	95.5	22
12&15	.0	.0	.0	.0	8.7	91.3	46
18&21	.0	.0	.0	.0	.0	100.0	22
TOT	0	0	0	0	9	119	128
PCT	.0	.0	.0	.0	7.0	93.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	2.9	2.9	11.8	11.8	76.5	34
06&09	.0	.0	4.8	9.5	85.7	21
12&15	.0	.0	10.8	10.8	78.4	37
18&21	.0	.0	.0	14.3	85.7	21
TOT	1	1	9	13	91	113
PCT	.9	.9	8.0	11.5	80.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.9	.0	.0	.0	.0	.0	1	.9
90/94	.0	.0	.9	.0	.0	.0	.0	.0	1	.9
85/89	.0	.0	.0	.9	3.4	6.9	.9	.0	14	12.1
80/84	.0	.0	.0	.0	7.8	29.3	33.6	7.8	91	78.4
75/79	.0	.0	.0	.0	.0	1.7	1.7	4.3	9	7.8
TOTAL	0	0	2	1	13	44	42	14	116	100.0
PCT	.0	.0	1.7	.9	11.2	37.9	36.2	12.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.9	.0	.0	.0	.0	.0	.0	.0
.0	.0	.9	.0	.0	.0	.0	.0	.0	.0
.0	1.1	2.4	4.5	1.5	.0	.0	.0	.0	2.6
2.4	3.2	34.9	10.6	6.3	5.4	6.5	6.7	.0	2.6
.0	.0	2.6	.9	.0	2.6	.9	.9	.0	.0
2.4	4.3	41.6	15.9	7.8	8.0	7.3	7.5	.0	5.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	94	93	91	84	81	78	78	84.5	44
06&09	85	84	84	82	81	81	81	82.7	22
12&15	85	84	84	82	79	77	77	81.6	57
18&21	99	98	98	82	79	78	78	83.1	23
TOT	99	98	98	82	79	78	77	82.9	146

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	5.9	20.6	35.3	29.4	8.8	76	34
06&09	.0	.0	14.3	47.6	23.8	14.3	79	21
12&15	.0	.0	4.7	32.6	46.5	16.3	82	43
18&21	.0	4.8	9.5	38.1	38.1	9.5	79	21
TOT	0	3	14	44	43	15	79	119

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PERIOD: (PRIMARY) 1904-1977
(OVER-ALL) 1887-1977

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.9	1	.0	.9
11/13	.0	.0	.0	.9	.9	2	.0	1.7
7/8	.0	.0	.0	.9	.0	1	.0	.9
6	.0	.9	.0	.0	.0	1	.0	.9
5	.0	.0	.0	.9	.0	1	.0	.9
3	.0	.9	1.7	.0	.0	3	.0	2.6
2	.0	1.7	1.7	.0	.0	4	.0	3.4
1	.0	5.2	3.4	.0	.0	10	.0	8.6
0	1.7	9.5	2.6	.0	.0	16	.0	13.8
-1	3.4	18.1	1.7	.0	.0	27	.0	23.3
-2	2.6	12.9	1.7	.0	.0	20	.0	17.2
-3	1.7	6.0	.0	.0	.0	9	.0	7.8
-4	3.4	4.3	.0	.0	.0	9	.0	7.8
-5	3.4	1.7	.0	.0	.0	6	.0	5.2
-6	2.6	.9	.0	.0	.0	4	.0	3.4
-7/-8	.9	.0	.0	.0	.0	1	.0	.9
-9/-10	.9	.0	.0	.0	.0	1	.0	.9
TOTAL	24	72	15	3	2	116	0	116
PCT	20.7	62.0	12.9	2.6	1.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.8	.0	.0	.0	.8
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.8	.0	.0	.0	.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.6	.0	.0	.0	.0	2.6
3-4	.0	.0	1.0	.0	.0	.0	1.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.6	1.0	.0	.0	.0	3.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	3.6	.0	.0	.0	.0	3.6
1-2	.0	14.1	.0	.0	.0	.0	14.1
3-4	1.0	10.4	5.2	.0	.0	.0	16.7
5-6	.0	1.0	5.2	.0	.0	.0	6.2
7	.0	.0	2.1	.0	.0	.0	2.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	29.2	12.5	.0	.0	.0	42.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.9	.0	.0	.0	.0	2.9
1-2	1.0	6.3	.0	.0	.0	.0	7.3
3-4	.0	.0	1.0	.0	.0	.0	1.0
5-6	.0	.0	3.1	.0	.0	.0	3.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	9.1	4.2	.0	.0	.0	14.3

PERIOD: (OVER-ALL) 1962-1977 OCTOBER AREA 0002 GILBERT ISLANDS

TABLE 18 (CONT) .3N 174.0E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	.8	.0	.0	.0	.0	1.8
1-2	2.1	3.1	.0	.0	.0	.0	5.2
3-4	.0	.0	.8	.0	.0	.0	.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.1	3.9	.8	.0	.0	.0	7.8

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.0	.0	.0	.0	.0	1.0
1-2	.0	3.1	1.0	.0	.0	.0	4.2
3-4	.0	1.0	1.3	2.1	.0	.0	4.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	5.2	2.3	2.1	.0	.0	.0	9.6

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.1	.0	.0	.0	.0	2.1
1-2	.0	3.9	.0	.0	.0	.0	3.9
3-4	.0	1.0	1.8	.0	.0	.0	2.9
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.0	1.8	.0	.0	.0	8.9

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.0	3.1	.0	.0	.0	.0	4.2	
1-2	.0	3.4	.3	.0	.0	.0	3.6	
3-4	.0	.0	1.3	.0	.0	.0	1.3	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.0	6.5	1.6	.0	.0	.0	9.1	96.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.2	13.5	.0	.0	.0	.0	18.8	
1-2	3.1	36.5	2.1	.0	.0	.0	41.7	
3-4	1.0	12.5	12.5	2.1	.0	.0	28.1	
5-6	.0	1.0	8.3	.0	.0	.0	9.4	
7	.0	.0	2.1	.0	.0	.0	2.1	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								96
TOT PCT	9.4	63.5	25.0	2.1	.0	.0	100.0	

PERIOD: (OVER-ALL) 1962-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	5.7	7.6	10.5	5.7	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	3
6-7	.0	2.9	10.5	16.2	8.6	2.9	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	45	5
8-9	.0	1.0	2.9	8.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	4
10-11	.0	.0	3.8	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	4
12-13	.0	.0	1.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	5
>13	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	1.9	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	2
TOTAL	8	12	31	37	10	5	2	0	0	0	0	0	0	0	0	0	0	0	0	105	4
PCT	7.6	11.4	29.5	35.2	9.5	4.8	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1972-1977

AREA 0002 GILBERT ISLANDS
.7N 173.6E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
NE	.0	4.0	.0	.0	.0	.0	.0	4.0	1.0	.0	.0	.0	1.0	.0		94.0
E	1.2	1.6	.0	.0	.0	.0	.0	2.4	.9	.0	.0	.0	2.1	.0		94.6
SE	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	3.9	.0		96.1
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
SW	.0	66.7	.0	.0	.0	.0	.0	66.7	.0	.0	.0	.0	.0	.0		33.3
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
TOT PCT	.6	1.7	.0	.0	.0	.0	.0	2.3	.6	.0	.0	.0	2.3	.0		94.9
TOT OBS:	176															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	1.9	.0	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.9		.0	97.2
06&09	4.0	4.0	.0	.0	.0	.0	.0	8.0	.0	.0	.0	.0	12.0		.0	80.0
12&15	.0	.0	.0	.0	.0	.0	.0	.0	3.8	.0	.0	.0	.0		.0	96.2
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	.6	1.7	.0	.0	.0	.0	.0	2.3	.6	.0	.0	.0	2.3		.0	94.9
TOT OBS:	177															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.8	1.0	.5	.0	.0	.0		2.3	8.2	1.8	.0	.0	.0	8.0	.0	.0	.0
NE	2.8	10.3	3.8	.0	.0	.0		17.0	7.7	16.1	.0	21.4	11.4	27.7	50.0	.0	11.1
E	5.0	18.9	20.5	.0	.0	.0		44.4	10.0	45.7	.0	41.1	59.1	38.4	50.0	69.4	11.1
SE	2.7	18.8	6.8	.0	.0	.0		28.2	8.5	30.7	100.0	8.9	29.5	22.3	.0	19.4	44.4
S	.0	2.0	.4	.0	.0	.0		2.4	9.4	2.2	.0	7.1	.0	.0	.0	11.1	.0
SW	.0	.0	.9	.0	.0	.0		.9	13.5	1.0	.0	.0	.0	.0	.0	.0	5.6
W	.0	.0	.8	.0	.0	.0		.8	15.0	.0	.0	.0	.0	3.6	.0	.0	5.6
NW	.0	2.0	1.0	.0	.0	.0		3.1	8.8	1.6	.0	14.3	.0	.0	.0	.0	22.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.0							1.0	.0	.8	.0	7.1	.0	.0	.0	.0	.0
TOT OBS	24	104	68	0	0	0	196		9.0	123	1	14	11	28	1	9	9
TOT PCT	12.2	53.1	34.7	.0	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.1	.6	.5	.0	.0		2.3	8.2	1.8	.0	7.8	.0
NE	7.7	8.7	.6	.0	.0		17.0	7.7	15.9	17.0	28.4	5.6
E	13.9	25.6	4.8	.0	.0		44.4	10.0	49.4	49.0	38.8	40.3
SE	9.4	17.1	1.7	.0	.0		28.2	8.5	31.3	18.0	21.6	31.9
S	.0	2.4	.0	.0	.0		2.4	9.4	2.2	4.0	.0	5.6
SW	.0	.6	.3	.0	.0		.9	13.5	1.0	.0	.0	2.8
W	.0	.5	.3	.0	.0		.8	15.0	.0	.0	3.4	2.8
NW	1.0	1.5	.5	.0	.0		3.1	8.8	1.6	8.0	.0	11.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.0						1.0	.0	.8	4.0	.0	.0
TOT OBS	67	112	17	0	0	196		9.0	124	25	29	18
TOT PCT	34.2	57.1	8.7	.0	.0		100.0		100.0	100.0	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1872-1977

AREA 0002 GILBERT ISLANDS
.7N 173.6E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00-03	.8	11.3	55.6	32.3	.0	.0	.0	9.1	100.0	124
06-09	4.0	8.0	56.0	32.0	.0	.0	.0	8.2	100.0	25
12-15	.0	13.8	48.3	37.9	.0	.0	.0	8.8	100.0	29
18-21	.0	11.1	38.9	50.0	.0	.0	.0	10.0	100.0	18
TOT	2	22	104	68	0	0	0	9.0		196
PCT	1.0	11.2	53.1	34.7	.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.3	.0	.0	3.6		6.2
NE	5.1	2.6	1.0	4.6		4.5
E	13.8	16.3	12.8	5.1		4.1
SE	.0	5.6	8.7	1.0		5.0
S	.0	.0	4.1	.0		6.0
SW	.0	.0	2.0	.0		7.0
W	.0	2.0	.0	.0		4.0
NW	2.0	2.0	4.1	.0		3.7
VARY	.0	.0	.0	.0		.0
CALM	.0	2.0	.0	.0		3.0
TOT OBS	11	15	16	7	49	4.5
TOT PCT	22.4	30.6	32.7	14.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 2999	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	
.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	11.2	
.0	.0	.0	5.6	1.5	.0	.0	.0	.0	.0	40.8	
.0	.0	.0	.9	.5	.0	.0	.0	.0	.0	14.3	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	
.0	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	
.0	.0	.0	.0	.0	2.0	.0	.0	.0	.0	8.1	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	
0	0	0	3	2	2	0	0	0	0	42	49
.0	.0	.0	6.1	4.1	4.1	.0	.0	.0	.0	85.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) • OR >10	• OR >5	• OR >2	• OR >1	• OR >1/2	• OR >1/4	• OR >500YD	• OR >0
• OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
• OR >4000	.0	.0	.0	.0	.0	.0	.0	.0
• OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
• OR >2000	2.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
• OR >1000	4.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
• OR >600	8.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
• OR >300	8.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
• OR >150	8.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
• OR > 0	8.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
TOTAL	4	7	7	7	7	7	7	7

TOTAL NUMBER OF OBS: 50 PCT FREQ NH <5/8: 86.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
11.5	5.8	32.7	26.9	7.7	7.7	1.9	1.9	3.8 .0	52

NOVEMBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1872-1977

AREA 0002 GILBERT ISLANDS
.7N 173.6E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	1.7	.6	.0	.0	.6	.0	.0	.0	2.8	
	TOT %	.0	.0	1.7	.6	.0	.0	.6	.0	.0	.0	2.8	
5<10	PCP	.0	.0	.6	.0	.0	.6	.0	.0	.0	.0	1.1	
	NO PCP	.0	.7	1.8	2.0	.0	.3	.3	.0	.0	.0	5.1	
	TOT %	.0	.7	2.4	2.0	.0	.9	.9	.0	.0	.0	6.3	
10+	PCP	.0	.6	.6	.0	.0	.0	.0	.0	.0	.0	1.1	
	NO PCP	1.8	12.9	42.9	26.4	1.7	.0	.0	2.8	.0	1.1	89.8	
	TOT %	1.8	13.5	43.5	28.4	1.7	.0	.0	2.8	.0	1.1	90.9	
	TOT OBS												176
	TOT PCT	1.8	14.2	47.6	29.0	1.7	.9	.9	2.8	.0	1.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.6	
	4-10	.0	.0	.6	.6	.0	.0	.0	.0	.0		1.1	
	11-21	.0	.0	.6	.0	.0	.0	.6	.0	.0		1.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	1.7	.6	.0	.0	.6	.0	.0	.0	2.8	
5<10	0-3	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.6	
	4-10	.0	.7	.4	1.1	.0	.0	.0	.0	.0		2.3	
	11-21	.0	.0	2.0	.3	.0	.8	.3	.0	.0		3.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.7	2.4	2.0	.0	.8	.3	.0	.0	.0	6.2	
10+	0-3	.8	2.0	4.9	2.4	.0	.0	.0	.0	.0	1.1	11.3	
	4-10	.4	8.3	19.2	17.2	1.7	.0	.0	1.7	.0		48.6	
	11-21	.6	3.7	19.1	6.6	.0	.0	.0	1.1	.0		31.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.8	14.0	43.2	26.3	1.7	.0	.0	2.8	.0	1.1	91.0	
	TOT OBS												177
	TOT PCT	1.8	14.7	47.3	28.8	1.7	.8	.8	2.8	.0	1.1	100.0	

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1872-1977

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	16.7	83.3	12
06&09	.0	.0	.0	6.3	12.5	.0	.0	.0	.0	.0	18.8	81.3	16
12&15	.0	.0	.0	7.7	.0	.0	.0	.0	.0	.0	7.7	92.3	13
18&21	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	10.0	90.0	10
TOT	0	0	0	3	2	2	0	0	0	0	7	44	51
PCT	.0	.0	.0	5.9	3.9	3.9	.0	.0	.0	.0	13.7	86.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	2.8	97.2	109
06&09	.0	.0	.0	16.0	16.0	68.0	25
12&15	.0	.0	.0	3.8	7.7	88.5	26
18&21	.0	.0	.0	.0	11.1	88.9	18
TOT	0	0	0	5	11	162	178
PCT	.0	.0	.0	2.8	6.2	91.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <30YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	16.7	83.3	12
06&09	.0	.0	6.7	13.3	80.0	15
12&15	.0	.0	15.4	.0	84.6	13
18&21	.0	.0	10.0	.0	90.0	10
TOT	0	0	4	4	42	50
PCT	.0	.0	8.0	8.0	84.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.0	.7	.0	.0	1	.7
85/89	.0	.0	.0	.0	6.7	10.7	3.3	2.0	43	28.7
80/84	.0	.0	.0	.7	3.3	26.0	28.0	8.7	100	66.7
75/79	.0	.0	.0	.0	.0	.7	1.3	2.7	6	4.0
TOTAL	0	0	0	1	15	69	49	20	150	100.0
PCT	.0	.0	.0	.7	10.0	46.3	32.7	13.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.7	.0	.0	.0	.0	.0	.0
.7	5.0	14.0	7.0	.0	.0	.0	2.0	.0	.0
1.0	6.8	32.2	22.0	2.0	.0	.7	.7	.0	1.3
.0	.2	2.3	.8	.0	.3	.3	.0	.0	.0
1.7	12.0	48.5	30.5	2.0	.3	1.0	2.7	.0	1.3

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	90	89	89	84	81	81	81	84.4	113
06&09	87	86	86	82	80	79	79	82.6	22
12&15	85	84	84	81	78	77	77	81.3	30
18&21	87	86	86	81	78	78	78	81.6	16
TOT	90	89	88	83	80	78	77	83.4	181

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.1	12.6	47.4	28.4	10.5	78	95
06&09	.0	.0	5.9	52.9	29.4	11.8	81	17
12&15	.0	.0	9.1	31.8	45.5	13.6	80	22
18&21	.0	.0	.0	29.4	41.2	29.4	84	17
TOT	0	1	15	66	49	20	79	151

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PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1872-1977

TABLE 17

AREA 0002 GILBERT ISLANDS
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PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
6	.0	.8	2.3	.8	5	.0	3.8
5	.0	.8	1.5	.0	3	.0	2.3
4	.0	.8	6.9	.0	10	.0	7.7
3	.0	.0	2.3	.0	3	.0	2.3
2	.0	5.4	5.4	.0	14	.0	10.8
1	.0	9.2	6.9	.8	22	.0	16.9
0	.8	13.8	2.3	.0	22	.0	16.9
-1	.8	12.3	1.5	.0	19	.0	14.6
-2	3.8	9.2	.0	.0	17	.0	13.1
-3	.8	3.8	.0	.0	6	.0	4.6
-4	.8	.0	.8	.0	2	.0	1.5
-5	.8	.8	.0	.0	2	.0	1.5
-6	1.5	.0	.0	.0	2	.0	1.5
-7/-8	1.5	.8	.0	.0	3	.0	2.3
TOTAL	14		39			0	130
PCT	10.8	57.7	30.0	1.5	130		100.0
		75		2	100.0		

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.2	.0	.0	.0	.0	2.2
1-2	2.2	.0	2.9	.0	.0	.0	5.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.2	2.2	2.9	.0	.0	.0	7.4

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	7.4	.0	.0	.0	.0	7.4
1-2	.7	.0	2.9	.0	.0	.0	3.7
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	7.4	2.9	.0	.0	.0	11.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.9	4.4	.0	.0	.0	.0	7.4
1-2	.0	5.9	10.3	.0	.0	.0	16.2
3-4	.0	2.9	11.8	.0	.0	.0	14.7
5-6	.0	2.9	.0	.0	.0	.0	2.9
7	.0	.0	2.9	.0	.0	.0	2.9
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.9	16.2	29.0	.0	.0	.0	44.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.7	.0	.0	.0	.0	.7
1-2	.0	8.8	1.5	.0	.0	.0	10.3
3-4	.0	.0	5.9	.0	.0	.0	5.9
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	9.6	7.4	.0	.0	.0	16.9

PERIOD: (OVER-ALL) 1963-1977

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TABLE 18 (CONT)

AREA 0602 GILBERT ISLANDS .7N 173.6E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.9	.0	.0	.0	.0	2.9
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.9	.0	.0	.0	.0	2.9

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	2.9	.0	.0	.0	2.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.9	2.9	.0	.0	.0	5.8

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	2.9	.0	.0	.0	2.9
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	2.9	.0	.0	.0	2.9

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	2.9	.0	.0	.0	.0	2.9	
3-4	.0	.0	5.9	.0	.0	.0	5.9	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	2.9	5.9	.0	.0	.0	8.8	97.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	8.6	14.3	.0	.0	.0	.0	22.9	
1-2	2.9	20.0	20.0	.0	.0	.0	42.9	
3-4	.0	2.9	22.9	.0	.0	.0	25.7	
5-6	.0	2.9	2.9	.0	.0	.0	5.7	
7	.0	.0	2.9	.0	.0	.0	2.9	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	11.4	40.0	48.6	.0	.0	.0	100.0	35

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	19.5	7.3	9.8	2.4	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	4
6-7	.0	2.4	9.8	9.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	4
8-9	.0	.0	4.9	2.4	4.9	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	6
10-11	.0	.0	2.4	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	4
12-13	.0	.0	2.4	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	4
>13	.0	.0	.0	2.4	.0	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	11
INDEF	2.4	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2
TOTAL	1	9	12	12	3	3	0	0	0	1	0	0	0	0	0	0	0	0	0	41	4
PCT	2.4	22.0	29.3	29.3	7.3	7.3	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1884-1977

AREA 0002 GILBERT ISLANDS
.7N 173.5E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	ND SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	3.0	.0	.0	.0	.0		.0	97.0
E	2.0	.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	.0	2.0		.0	96.0
SE	.0	3.7	.0	.0	.0	.0	.0	3.7	.0	.0	.0	.0	.0		.0	96.3
S	.0	.0	.0	.0	.0	.0	.0	.0	15.4	.0	.0	.0	.0		.0	84.6
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NW	16.0	.0	.0	.0	.0	.0	.0	16.0	.0	.0	.0	.0	.0		.0	84.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	1.5	.7	.0	.0	.0	.0	.0	2.2	1.9	.0	.0	.0	.7		.0	95.6
TOT OBS:	137															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	ND SIG WEA
00&03	1.1	1.1	.0	.0	.0	.0	.0	2.2	.0	.0	.0	.0	1.1		.0	96.8
06&09	4.8	.0	.0	.0	.0	.0	.0	4.8	.0	.0	.0	.0	.0		.0	95.2
12&15	.0	.0	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0		.0	88.9
18&21	.0	.0	.0	.0	.0	.0	.0	.0	7.1	.0	.0	.0	.0		.0	92.9
TOT PCT	1.5	.7	.0	.0	.0	.0	.0	2.2	1.9	.0	.0	.0	.7		.0	95.6
TOT OBS:	137															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.5	1.9	.5	.0	.0	.0		2.8	8.4	3.2	.0	.0	.0	.0	.0	8.3	.0
NE	5.3	14.4	4.5	.0	.0	.0		24.2	7.0	26.4	33.3	20.3	32.1	17.9	33.3	10.4	.0
E	6.4	20.2	8.8	.6	.0	.0		35.9	8.4	34.9	.0	29.7	32.1	67.9	33.3	47.9	33.3
SE	5.0	9.2	3.1	.0	.0	.0		17.3	6.8	18.8	.0	4.7	21.4	14.3	33.3	16.7	33.3
S	2.0	1.9	1.3	.0	.0	.0		5.2	6.0	3.7	.0	14.1	.0	.0	.0	8.3	33.3
SW	1.3	2.2	.0	.0	.0	.0		3.4	5.7	5.2	33.3	6.3	.0	.0	.0	.0	.0
W	.6	1.6	1.3	.0	.0	.0		3.4	10.2	4.1	.0	6.3	.0	.0	.0	.0	.0
NW	.2	3.1	1.3	.0	.0	.0		4.5	8.0	3.9	33.3	6.3	14.3	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.1							3.1	.0	1.8	.0	12.5	.0	.0	.0	8.3	.0
TOT OBS	39	87	33	1	0	0	160		7.3	109	3	16	7	7	3	12	3
TOT PCT	24.4	54.4	20.6	.6	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.1	1.3	.5	.0	.0		2.8	8.4	3.1	.0	.0	6.7
NE	13.6	10.2	.5	.0	.0		24.2	7.0	26.6	23.9	22.5	8.3
E	15.6	18.1	2.2	.0	.0		35.9	8.4	33.9	30.4	57.5	45.0
SE	10.0	6.7	.6	.0	.0		17.3	6.8	18.3	9.8	20.0	20.0
S	3.3	1.9	.0	.0	.0		5.2	6.0	3.6	9.8	.0	13.3
SW	1.9	1.6	.0	.0	.0		3.4	5.7	4.0	4.3	.0	.0
W	1.3	.9	1.3	.0	.0		3.4	10.2	4.0	4.3	.0	.0
NW	2.0	2.5	.0	.0	.0		4.5	8.0	4.7	8.7	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.1						3.1	.0	1.8	8.7	.0	6.7
TOT OBS	83	69	8	0	0	160		7.3	112	23	10	15
TOT PCT	51.9	43.1	5.0	.0	.0		100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1884-1977

AREA 0002 GILBERT ISLANDS
.7N 173.5E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.8	25.9	58.9	12.5	.9	.0	.0	6.5	100.0	112
06&09	8.7	21.7	39.1	30.4	.0	.0	.0	7.3	100.0	23
12&15	.0	.0	60.0	40.0	.0	.0	.0	11.2	100.0	10
18&21	6.7	.0	40.0	53.3	.0	.0	.0	10.8	100.0	15
TOT	5	34	87	33	1	0	0	7.3		160
PCT	3.1	21.3	54.4	20.6	.6	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	1.3	.0	.0		4.0
NE	7.5	2.5	10.4	.0		3.9
E	14.2	12.9	7.9	3.3		3.6
SE	5.0	3.3	3.3	2.5		4.4
S	.0	.0	3.3	4.2		7.5
SW	1.7	.0	1.7	1.7		5.3
W	.0	1.7	.0	.0		3.0
NW	1.7	.0	3.3	1.7		5.0
VAR	.0	.0	.0	.0		.0
CALM	.0	3.3	1.7	.0		3.6
TOT OBS	18	15	19	8	60	4.2
TOT PCT	30.0	25.0	31.7	13.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	
NE	.0	.0	.0	.4	1.7	.0	.0	.0	.0	.0	18.3	
E	.0	.0	.0	2.9	3.3	1.7	.0	.0	.0	.0	30.4	
SE	.0	.0	.0	1.7	.0	.0	.8	.0	.0	.0	11.7	
S	.0	.0	.0	1.7	.0	1.7	.8	.0	.0	.0	3.3	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	
NW	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	5.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	
TOT OBS	0	0	0	3	3	2	1	0	0	0	49	60
TOT PCT	.0	.0	.0	8.3	5.0	3.3	1.7	.0	.0	.0	81.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) • OR >10	• OR >5	• OR >2	• OR >1	• OR >1/2	• OR >1/4	• OR >3OYD	• OR >0
• OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
• OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
• OR >3300	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
• OR >2000	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
• OR >1000	8.3	10.0	10.0	10.0	10.0	10.0	10.0	10.0
• OR >600	10.0	16.7	18.3	18.3	18.3	18.3	18.3	18.3
• OR >300	10.0	16.7	18.3	18.3	18.3	18.3	18.3	18.3
• OR >150	10.0	16.7	18.3	18.3	18.3	18.3	18.3	18.3
• OR > 0	10.0	16.7	18.3	18.3	18.3	18.3	18.3	18.3
TOTAL	6	10	11	11	11	11	11	11

TOTAL NUMBER OF OBS: 60 PCT FREQ NH <5/8: 81.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
1.7	13.3	31.7	20.0	15.0	1.7	13.3	.0	3.3	.0	60

DECEMBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1884-1977

TABLE 8

AREA 0002 GILBERT ISLANDS
.7N 173.5E

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.4	1.8	.0	.0	.0	.0	.0	.0	.0	2.2	
	TOT %	.0	.4	1.8	.0	.0	.0	.0	.0	.0	.0	2.2	
5<10	PCP	.0	.0	.0	.7	.0	.0	.0	.7	.0	.0	1.5	
	NO PCP	.0	.0	3.3	1.1	.7	.0	.0	1.5	.0	.0	6.6	
	TOT %	.0	.0	3.3	1.8	.7	.0	.0	2.2	.0	.0	8.0	
10+	PCP	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7	
	NO PCP	2.6	24.3	30.7	17.9	4.0	2.9	1.5	2.4	.0	2.9	89.1	
	TOT %	2.6	24.3	31.4	17.9	4.0	2.9	1.5	2.4	.0	2.9	89.8	
	TOT OBS												197
	TOT PCT	2.6	24.6	36.5	19.7	4.7	2.9	1.5	4.6	.0	2.9	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.2	.5	.0	.0	.0	.0	.0	.0		.7	
	11-21	.0	.2	1.3	.0	.0	.0	.0	.0	.0		1.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.4	1.8	.0	.0	.0	.0	.0	.0	.0	2.2	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	1.8	1.1	.7	.0	.0	.7	.0		4.4	
	11-21	.0	.0	1.5	.7	.0	.0	.0	1.5	.0		3.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	3.3	1.8	.7	.0	.0	2.2	.0	.0	8.0	
10+	0-3	.5	0.2	0.0	5.7	1.8	.7	.7	.2	.0	2.9	24.8	
	4-10	1.5	14.1	18.2	9.3	.7	2.2	.7	2.2	.0		48.9	
	11-21	.5	4.0	6.4	2.9	1.5	.0	.0	.0	.0		15.3	
	22+	.0	.0	.7	.0	.0	.0	.0	.0	.0		.7	
	TOT %	2.0	24.3	31.4	17.9	4.0	2.9	1.5	2.4	.0	2.9	89.8	
	TOT OBS												137
	TOT PCT	2.2	24.6	36.5	19.7	4.7	2.9	1.8	4.6	.0	2.9	100.0	

DECEMBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1884-1977

AREA 0002 GILBERT ISLANDS
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	5.9	5.9	.0	.0	.0	.0	11.8	88.2	17
06&09	.0	.0	.0	10.0	.0	5.0	5.0	.0	.0	.0	20.0	80.0	20
12&15	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0	11.1	88.9	9
18&21	.0	.0	.0	21.4	7.1	.0	.0	.0	.0	.0	28.6	71.4	14
TOT	0	0	0	5	3	2	1	0	0	0	11	49	60
PCT	.0	.0	.0	8.3	5.0	3.3	1.7	.0	.0	.0	18.3	81.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	4.3	95.7	93
06&09	.0	.0	.0	4.8	9.5	85.7	21
12&15	.0	.0	.0	22.2	11.1	66.7	9
18&21	.0	.0	.0	.0	28.6	71.4	14
TOT	0	0	0	3	11	123	137
PCT	.0	.0	.0	2.2	8.0	89.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NM >4/8), BY HOUR

HOUR (GMT)	<150 <90YD	<600 <1	<1000 <3	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	11.8	88.2	17
06&09	.0	.0	10.0	10.0	80.0	20
12&15	.0	.0	22.2	11.1	66.7	9
18&21	.0	.0	21.4	7.1	71.4	14
TOT	0	0	7	6	47	60
PCT	.0	.0	11.7	10.0	78.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	1.5	.0	.0	.7	3	2.2
85/89	.0	.0	.0	.7	19.2	22.8	5.1	1.5	59	43.4
80/84	.0	.0	.0	.0	1.5	28.7	16.9	2.9	68	50.0
75/79	.0	.0	.0	.0	.0	.0	1.5	2.9	6	4.4
TOTAL	0	0	0	1	22	70	32	11	136	100.0
PCT	.0	.0	.0	.7	16.2	51.5	23.5	8.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	1.5	.0	.7	.0	.0	.0	.0	.0
1.3	12.7	11.8	11.8	2.2	2.9	.0	.0	.0	.7
2.0	13.4	21.9	6.4	.9	.7	.7	3.1	.0	.7
.0	.0	2.2	.7	.7	.0	.0	.0	.0	.7
3.3	26.1	37.3	18.9	4.6	3.7	.7	3.1	.0	2.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	91	90	89	85	80	78	78	85.0	112
06&09	89	88	86	83	77	77	77	83.0	23
12&15	85	84	84	82	61	61	61	80.6	10
18&21	86	85	85	82	75	75	75	81.6	15
TOT	91	90	89	84	79	75	61	84.1	160

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.1	17.9	51.6	21.1	8.4	76	95
06&09	.0	.0	5.6	66.7	27.8	.0	77	18
12&15	.0	.0	11.1	55.6	22.2	11.1	78	9
18&21	.0	.0	21.4	28.6	35.7	14.3	80	14
TOT	0	1	22	70	32	11	77	136

DECEMBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1884-1977

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
9/10	.0	.0	.8	.0	.0	1	.0	.8
7/8	.0	.0	.8	.0	3.1	5	.0	3.9
6	.0	.0	.0	.8	2.4	4	.0	3.1
5	.0	.0	.0	2.4	1.6	5	.0	3.9
4	.0	.0	.0	4.7	.0	6	.0	4.7
3	.0	.0	.8	5.5	1.6	10	.0	7.9
2	.0	.0	3.1	7.9	.0	14	.0	11.0
1	.0	.8	2.4	9.4	.0	16	.0	12.6
0	.0	.0	15.0	1.6	.0	21	.0	16.5
-1	.0	.8	12.6	1.6	.0	19	.0	15.0
-2	.0	3.1	6.3	.0	.0	12	.0	9.4
-3	.0	.0	4.7	.0	.0	6	.0	4.7
-4	.0	.8	3.1	.0	.0	5	.0	3.9
-5	.0	.8	.0	.0	.0	1	.0	.8
-7/-8	.8	.8	.0	.0	.0	2	.0	1.6
TOTAL	1	9	63	43	11	127	0	127
PCT	.8	7.1	49.6	33.9	8.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	1.9	.0	.0	.0	1.9
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YOY PCT	.0	.0	1.9	.0	.0	.0	1.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	.0	.0	.0	.0	.0	.6
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	2.5	7.5	6.3	.0	.0	.0	16.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YOY PCT	2.5	7.5	6.3	.0	.0	.0	16.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.9	2.5	.0	.0	.0	.0	4.4
1-2	.0	2.5	.0	.0	.0	.0	2.5
3-4	.0	12.5	6.9	2.5	.0	.0	21.9
5-6	.0	.0	5.0	.0	.0	.0	5.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YOY PCT	1.9	17.5	11.9	2.5	.0	.0	33.8

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.5	.0	.0	.0	.0	2.5
3-4	.0	7.5	10.0	.0	.0	.0	17.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YOY PCT	.0	10.0	10.0	.0	.0	.0	20.0

PERIOD: (OVER-ALL) 1966-1977

DECEMBER

TABLE 18 (CONT)

AREA 0002 GILBERT ISLANDS .7N 173.5E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.5	.0	.0	.0	.0	2.5
3-4	.0	2.5	5.0	.0	.0	.0	7.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.0	5.0	.0	.0	.0	10.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	5.0	.0	.0	.0	.0	5.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.0	.0	.0	.0	.0	5.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.5	.0	.0	.0	.0	.0	2.5
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.5	.0	.0	.0	.0	.0	2.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	2.5	.0	.0	.0	.0	2.5	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.5	.0	.0	.0	.0	.0	2.5	92.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	12.5	2.5	.0	.0	.0	.0	15.0	
1-2	.0	10.0	.0	.0	.0	.0	10.0	
3-4	2.5	35.0	30.0	2.5	.0	.0	70.0	
5-6	.0	.0	5.0	.0	.0	.0	5.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								40
TOT PCT	15.0	47.5	35.0	2.5	.0	.0	100.0	

PERIOD: (OVER-ALL) 1956-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	2.3	25.6	2.3	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	3
6-7	.0	2.3	2.3	9.3	4.7	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	5
8-9	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
10-11	.0	2.3	7.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	3
12-13	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	2.3	20.9	.0	2.3	.0	.0	2.3	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	5
TOTAL	0	4	25	7	4	1	0	1	1	0	0	0	0	0	0	0	0	0	0	43	4
PCT	.0	9.3	58.1	16.3	9.3	2.3	.0	2.3	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

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PERIOD: (PRIMARY) 1902-1978
(OVER-ALL) 1871-1978

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.5	2.7	.0	.0	.0	.0	3.2	.0	.0	.0	.0	.7	.0	.0	87.7
NE	2.9	3.1	.8	.0	.0	.0	.0	6.7	2.8	.4	.1	.0	.1	.0	.0	90.0
E	1.1	1.8	.7	.0	.0	.0	.0	3.1	.6	.2	.1	.0	.5	.0	.0	95.5
SE	4.2	2.9	1.4	.0	.0	.0	.0	7.7	2.0	.0	.3	.0	.3	.0	.0	89.7
S	.0	1.0	.0	.0	.0	.0	.0	1.0	1.3	.0	.0	.0	.0	.0	.0	72.7
SW	1.6	0.4	.8	.0	.0	.0	.0	0.8	.8	.0	.0	.0	8.3	.0	.0	73.7
W	.0	2.8	.0	.0	.0	.0	.0	2.8	4.6	1.0	.0	.0	3.6	.0	.0	63.1
NW	9.7	10.4	.0	.0	.0	.0	.0	20.0	1.9	.0	.0	.0	.0	.0	.0	61.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.8	.0	.0	.0	.0	.0	.0	2.8	.9	.0	.0	.0	.0	.0	.0	88.0
TOT PCT	1.9	2.0	1.0	.0	.0	.0	.0	4.7	1.6	.2	.1	.0	.6	.0	92.8	
TOT OBS:	1338															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	2.2	1.9	.3	.0	.0	.0	.0	4.4	1.8	.0	.3	.0	.9	.0	92.6	
06&09	1.6	3.0	.5	.0	.0	.0	.0	5.1	1.3	.0	.3	.0	1.0	.0	92.3	
12&15	1.0	1.2	.2	.0	.0	.0	.0	2.4	2.6	1.7	.0	.0	.0	.0	93.8	
18&21	1.1	2.1	3.2	.0	.0	.0	.0	6.0	1.9	.0	.0	.0	.0	.0	92.0	
TOT PCT	1.9	2.1	1.0	.0	.0	.0	.0	4.8	1.6	.3	.2	.0	.6	.0	92.6	
TOT OBS:	1363															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.7	2.7	.9	.1	.0	.0		4.5	7.2	4.4	8.3	1.6	12.0	4.8	.0	4.0	9.8
NE	3.4	14.5	5.2	.2	.0	.0		23.2	7.8	24.9	15.3	21.1	25.0	21.3	13.2	14.1	21.8
E	3.3	25.8	14.0	.5	.0	.1		43.8	9.5	42.6	18.1	44.3	29.2	43.8	34.0	57.6	36.2
SE	2.2	9.4	4.4	.1	.0	.0		16.1	8.4	18.4	11.1	12.5	22.5	15.7	2.8	11.7	22.7
S	.7	1.6	.8	.0	.0	.0		3.0	5.4	2.0	.0	5.5	2.9	3.4	.0	3.0	6.0
SW	.4	.8	.2	.2	.0	.0		1.6	7.6	1.3	11.1	2.2	.8	1.2	.0	.8	.5
W	.3	1.0	.5	.1	.0	.0		1.9	7.7	1.9	.0	2.5	.0	1.7	.0	2.4	1.1
NW	.4	1.8	.6	.0	.0	.0		2.8	6.7	2.4	2.8	4.7	1.3	2.9	.0	3.1	2.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.1							3.1	.0	2.1	.0	5.5	.0	5.1	.0	3.4	.0
TOT OBS							1711		8.5	900	13	193	82	298	9	157	59
TOT PCT	14.5	57.7	26.6	1.1	.0	.1		100.0		100.0	66.7	100.0	91.7	100.0	50.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.1	1.9	.4	.0	.0		4.5	7.2	4.6	4.4	4.7	4.3
NE	10.8	11.4	1.0	*	.0		23.2	7.8	24.8	22.9	21.5	17.2
E	13.2	27.2	3.0	.2	.1		43.8	9.5	42.5	41.3	43.6	33.6
SE	6.1	9.4	.5	.0	.0		16.1	8.4	18.4	14.0	15.9	12.8
S	1.6	1.4	.1	.0	.0		3.0	5.4	1.9	5.3	3.4	3.2
SW	.8	.6	.3	.0	.0		1.6	7.6	1.5	2.1	1.2	1.0
W	.7	.9	.3	.0	.0		1.9	7.7	1.9	2.0	1.7	2.1
NW	1.3	1.4	.1	.0	.0		2.8	6.7	2.4	3.8	2.9	2.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.1						3.1	.0	2.1	4.2	5.1	3.0
TOT OBS						1711		8.5	913	275	307	216
TOT PCT	39.6	54.3	5.8	.2	.1		100.0		100.0	100.0	100.0	100.0

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PERIOD: (PRIMARY) 1902-1978
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	2.1	13.7	56.7	26.2	1.3	.0	.0	8.4	100.0	913
06&09	4.2	7.8	56.0	31.5	.0	.0	.4	9.0	100.0	275
12&15	5.1	6.9	60.4	27.3	.4	.0	.0	8.6	100.0	307
18&21	3.0	6.3	58.8	30.6	1.4	.0	.0	9.0	100.0	216
TOT								8.5		1711
PCT	3.1	11.4	57.7	26.6	1.1	.0	.1		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.3	.8	2.5	.8		3.9
NE	3.8	5.0	6.2	2.4		4.6
E	17.9	16.0	13.2	2.4		3.6
SE	4.3	3.6	4.0	1.8		4.1
S	.1	.9	1.3	.4		3.5
SW	.1	.5	.6	.8		3.9
W	.1	.3	.8	1.1		3.7
NW	.6	.9	2.0	.7		4.2
VAR	.0	.0	.0	.0		.0
CALM	.5	1.3	1.9	.7		3.9
TOT OBS					697	4.2
TOT PCT	27.8	29.3	32.4	10.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.1	.3	.0	.0	.0	.0	4.0	
NE	.4	.1	.0	1.7	1.6	.6	.2	.0	.0	.0	12.6	
E	.4	.0	.3	1.8	2.4	1.6	.3	.0	.0	.0	42.9	
SE	.3	.0	.2	.7	.4	.5	.1	.0	.0	.0	11.4	
S	.0	.0	.0	.1	.0	.4	.1	.0	.0	.0	2.1	
SW	.0	.0	.0	.2	.2	.3	.0	.0	.0	.0	1.2	
W	.0	.0	.2	.2	.6	.3	.0	.0	.0	.0	.9	
NW	.0	.0	.0	.3	.2	.7	.0	.0	.0	.0	3.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.2	.7	.1	.0	.0	.0	.0	2.9	
TOT OBS												697
TOT PCT	1.1	.1	.6	5.3	6.2	4.7	.7	.0	.0	.0	81.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >90YD	* OR >0
* OR >6500	.1	.1	.1	.1	.1	.1	.1	.1
* OR >9000	.1	.1	.1	.1	.1	.1	.1	.1
* OR >3500	.8	.8	.8	.8	.8	.8	.8	.8
* OR >2000	4.2	5.3	5.8	5.8	5.8	5.8	5.8	5.8
* OR >1000	9.4	11.1	11.6	11.9	11.9	11.9	11.9	11.9
* OR >600	12.8	16.3	17.0	17.3	17.3	17.3	17.3	17.3
* OR >300	13.2	16.8	17.7	17.9	17.9	17.9	17.9	17.9
* OR >150	13.4	17.0	17.8	18.1	18.1	18.1	18.1	18.1
* OR > 0	14.0	17.6	18.7	19.0	19.0	19.1	19.1	19.1

TOTAL NUMBER OF OBS: 713 PCT FREQ NH <5/8: 80.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
2.8	16.9	26.0	19.9	14.2	6.0	5.9	3.1	4.8 .4	784

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.1	*	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.1	*	.0	.0	.0	.0	.0	.0	.1	
1/2<1	PCP	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.2	
	NO PCP	.0	*	*	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	*	*	.1	.0	.0	.0	.0	.0	.1	.3	
1<2	PCP	.0	.0	.2	*	.0	.0	.0	.0	.0	.0	.2	
	NO PCP	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.3	*	.0	.0	.0	.0	.0	.0	.3	
2<5	PCP	.0	.1	.2	.3	.0	.0	.0	.0	.0	.0	.6	
	NO PCP	.2	.2	1.3	.1	.1	.0	*	.1	.0	.0	2.0	
	TOT %	.2	.3	1.5	.4	.1	.0	*	.1	.0	.0	2.6	
5<10	PCP	*	.3	.2	.3	.0	.1	.0	.1	.0	.0	1.3	
	NO PCP	.7	1.3	3.0	1.3	.2	.2	.2	.6	.0	.2	7.8	
	TOT %	.7	1.8	3.2	1.6	.2	.3	.2	.7	.0	.2	9.1	
10+	PCP	.2	.7	.7	.2	.1	.2	.1	.2	.0	.0	2.3	
	NO PCP	3.4	18.1	40.8	13.3	2.4	1.2	1.9	1.9	.0	2.8	85.3	
	TOT %	3.6	18.7	41.5	13.5	2.4	1.4	1.6	2.1	.0	2.8	87.6	
	TOT OBS												1398
	TOT PCT	4.6	20.8	66.7	15.8	2.7	1.7	1.9	2.9	.0	3.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	*	.0	.1	*	.0	.0	.0	.0	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.1	.0	.0	.0	.0	.0	.0		.1	
	TOT %	*	.0	.2	*	.0	.0	.0	.0	.0	.0	.3	
1/2<1	0-3	*	*	.0	.0	.0	.0	.0	.0	.0	.1	.1	
	4-10	.0	.0	.0	.1	.0	.0	.0	.0	.0		.1	
	11-21	.0	*	*	.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	*	*	*	.1	.0	.0	.0	.0	.0	.1	.3	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.2	.3	*	.1	.0	.0	.0	.0		.6	
	11-21	.0	*	.1	.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.2	.4	*	.1	.0	.0	.0	.0	.0	.7	
2<5	0-3	.0	*	.2	.0	.1	.0	.0	.0	.0	.0	.3	
	4-10	.2	.2	.8	.3	.0	.0	.0	.1	.0		1.6	
	11-21	*	*	.6	.0	.0	.0	*	*	.0		.7	
	22+	.0	.0	.0	.1	.0	.0	.0	.0	.0		.1	
	TOT %	.2	.2	1.6	.4	.1	.0	*	.1	.0	.0	2.7	
5<10	0-3	.0	.2	.4	.3	.0	.1	.0	.0	.0	.2	1.2	
	4-10	.5	1.1	2.0	.7	.1	.0	*	.3	.0		4.7	
	11-21	.3	.5	.7	.6	.1	.2	.2	.4	.0		2.9	
	22+	.0	.1	.1	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.7	1.8	3.2	1.6	.2	.3	.2	.7	.0	.2	8.9	
10+	0-3	.6	2.6	2.9	1.7	.7	.2	.1	.3	.0	2.7	11.9	
	4-10	2.2	11.7	23.6	8.0	1.2	.9	1.2	1.6	.0		50.4	
	11-21	.8	4.4	14.1	3.6	.5	.1	.3	.3	.0		24.1	
	22+	.0	.1	.4	.0	.0	.1	.0	.0	.0		.6	
	TOT %	3.6	18.8	41.0	13.4	2.4	1.3	1.6	2.2	.0	2.7	87.0	
	TOT OBS												1396
	TOT PCT	4.6	21.2	46.4	15.6	2.8	1.6	1.8	3.0	.0	3.0	100.0	

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PERIOD: (PRIMARY) 1902-1978
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.8	.6	.2	3.0	8.5	8.5	.0	.0	.0	.0	21.6	78.4	215
06&09	.6	.0	2.0	5.2	4.8	2.7	.4	.0	.0	.0	15.7	84.3	193
12&15	.8	.0	.0	2.5	6.0	2.9	.0	.0	.0	.4	12.6	87.4	196
18&21	1.6	.0	.0	8.9	3.7	3.7	2.8	.0	.0	.0	20.6	79.4	159
TOT PCT	1.0	.1	.6	5.0	5.7	4.6	.6	.0	.0	.1	17.8	82.2	763 100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.1	.4	.3	1.3	7.6	90.2	653
06&09	1.2	.5	1.1	4.7	10.9	81.7	267
12&15	.0	.0	.8	4.9	9.9	84.4	248
18&21	.4	.0	.8	3.4	12.6	82.8	214
TOT PCT	.4	.3	.7	2.7	8.8	87.0	1382 100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.8	2.4	6.4	18.2	75.4	201
06&09	.6	3.2	8.9	8.4	82.7	183
12&15	.9	.9	10.2	6.4	83.4	179
18&21	1.9	1.9	13.2	9.9	76.9	150
TOT PCT	1.1	2.3	9.4	11.1	79.5	713 100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.1	.0	.0	.0	.0	.0		.1
90/94	.0	.0	.1	.0	.6	1.4	.2	.1		2.4
85/89	.0	.0	.0	.3	4.2	10.6	4.5	2.0		21.7
80/84	.0	.0	.0	.2	2.7	26.6	28.0	11.2		68.6
75/79	.0	.0	.0	.0	.0	1.0	2.5	2.9		6.3
70/74	.0	.0	.0	.0	.0	.0	.1	.4		.5
60/64	.0	.0	.0	.0	.0	.0	.0	.4		.4
TOTAL PCT	.0	.0	.1	.5	7.6	39.5	35.3	16.9	1172	100.0

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
.1	.7	.9	.4	.1	.0	*	.1	.0	.0
.8	4.2	9.5	4.4	.7	.3	.1	.7	.0	1.0
3.0	13.1	34.0	10.8	1.8	.8	1.2	1.8	.0	2.1
.2	1.5	2.1	1.3	.1	.3	.3	.2	.0	.3
.1	.0	.0	.0	.2	.1	.2	.0	.0	.0
.2	.0	.0	.0	.0	.0	.1	*	.0	.0
4.5	19.6	46.5	16.8	2.9	1.5	2.0	2.9	.0	3.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	96	91	90	85	81	77	72	84.7	822
06&09	89	86	86	83	79	79	76	83.0	275
12&15	86	84	84	82	76	75	61	81.7	312
18&21	99	86	86	81	76	76	64	81.6	221
TOT	99	92	89	83	79	75	61	83.4	1630

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.5	10.9	43.8	26.7	17.1	80	583
06&09	.0	.0	6.6	42.2	40.9	10.3	80	218
12&15	.0	.0	3.5	37.8	43.9	14.8	81	211
18&21	.0	.9	5.1	29.0	42.1	22.8	83	181
TOT	0	7	105	465	408	206	80	1191

ANNUAL

PERIOD: (PRIMARY) 1902-1978
(OVER-ALL) 1871-1978

AREA 0002 GILBERT ISLANDS
.5S 174.0E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.0	.1	.0	*	.1	3	.0	.2
11/13	.0	.0	.0	.0	.0	.0	.0	.1	.3	5	.0	.4
9/10	.0	.0	.0	.0	.0	.1	.3	.3	.1	6	.0	.8
7/8	.0	.0	.0	.0	.0	.1	.2	.7	.1	13	.0	1.1
6	.0	.0	.0	.0	.0	.5	.9	.6	.0	20	.0	2.0
5	.0	.0	.0	.0	.0	.3	1.1	.9	.0	26	.0	2.3
4	.0	.0	.0	.0	.0	1.0	3.1	.3	.0	48	.0	4.5
3	.0	.0	.0	.1	.1	1.1	2.7	.3	.0	46	.0	4.3
2	.0	.0	.0	.0	.0	3.4	3.8	.0	.0	86	.0	7.2
1	.0	.0	.0	.0	.1	6.7	4.3	.1	.0	125	.0	11.1
0	.0	.0	.0	.0	1.3	13.1	2.4	.0	.0	193	.1	16.7
-1	.0	.0	.0	.0	1.8	13.6	2.1	.0	.0	201	.0	17.5
-2	.0	.0	.0	.1	1.8	10.1	.1	.0	.0	149	.0	12.2
-3	.0	.0	.0	.0	2.3	5.2	.3	.0	.0	84	.0	7.6
-4	.0	.0	.0	.0	1.3	3.6	.1	.0	.0	56	.0	5.0
-5	.0	.0	.0	.0	1.4	1.6	.0	.0	.0	29	.0	3.1
-6	.1	.0	.0	.1	.9	.6	.0	.0	.0	17	.0	1.9
-7/-8	.1	.0	.0	.2	.5	.5	.0	.0	.0	15	.0	1.3
-9/-10	.0	.0	.0	.1	.1	.0	.0	.0	.0	2	.0	.2
-11/-13	.0	.0	.0	.0	.2	.1	.0	.0	.0	3	.0	.3
TOTAL										1127		
PCT	.3	.0	.0	.6	11.9	61.7	21.6	3.3	.6	100.0	.1	99.9

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.6	.2	.0	.0	.0	.8
1-2	.2	.8	.3	.0	.0	.0	1.3
3-4	.0	.5	1.2	.3	.0	.0	2.0
5-6	.0	.0	.4	.0	.0	.0	.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.3	.0	.0	.0	.0	.3
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	2.3	2.0	.3	.0	.0	4.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.8	.1	.0	.0	.0	2.2
1-2	.5	3.2	.6	.0	.0	.0	4.3
3-4	.5	4.1	2.7	.0	.0	.0	7.2
5-6	.0	.8	1.9	.0	.0	.0	2.7
7	.0	.1	.8	.0	.0	.0	.9
8-9	.0	.0	.3	.0	.0	.0	.3
10-11	.0	.2	.0	.0	.0	.0	.2
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	10.2	6.4	.0	.0	.0	17.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	2.3	.2	.0	.0	.0	3.2
1-2	1.1	13.4	4.7	.0	.0	.0	19.1
3-4	.1	8.8	9.0	.2	.0	.0	18.1
5-6	.3	1.7	4.4	.0	.0	.0	6.4
7	.0	.7	1.4	.0	.0	.0	2.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.1	26.9	19.6	.2	.0	.0	48.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.7	.0	.0	.0	.0	2.1
1-2	.3	2.8	.6	.0	.0	.0	3.9
3-4	.0	2.3	3.9	.0	.0	.0	6.2
5-6	.0	.3	.6	.0	.0	.0	.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.2	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	7.1	5.1	.2	.0	.0	13.4

PERIOD: (OVER-ALL) 1964-1978 ANNUAL AREA 0002 GILBERT ISLANDS

TABLE 18 (CONT) .5S 174.0E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.0	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.3
1-2	.2	1.3	.0	.0	.0	.0	1.4	.0	.3	.1	.0	.0	.0	.4
3-4	.0	.4	.5	.0	.0	.0	.8	.0	.5	.1	.2	.0	.0	.8
5-6	.0	.0	.2	.0	.0	.0	.2	.0	.0	.1	.0	.0	.0	.2
7	.3	.0	.0	.0	.0	.0	.3	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	1.9	.7	.0	.0	.0	3.2	.0	1.2	.5	.2	.0	.0	1.8

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.2	.4	.0	.0	.0	.0	.6	.3	.3	.0	.0	.0	.0	.6	
1-2	.0	1.2	.2	.0	.0	.0	1.5	.0	1.1	.4	.0	.0	.0	1.6	
3-4	.0	.1	.4	.0	.0	.0	.5	.0	1.0	.7	.0	.0	.0	1.8	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.2	1.7	.8	.0	.0	.0	2.8	.3	2.7	1.2	.0	.0	.0	4.1	96.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	6.2	7.6	.4	.0	.0	.0	14.2	
1-2	2.9	23.9	6.8	.0	.0	.0	33.6	
3-4	.6	17.4	18.2	.7	.0	.0	36.8	
5-6	.3	2.8	7.6	.0	.0	.0	10.7	
7	.3	.6	2.4	.0	.0	.0	3.3	
8-9	.0	.0	.3	.2	.0	.0	.5	
10-11	.0	.4	.0	.0	.0	.0	.4	
12	.0	.3	.0	.0	.0	.0	.3	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	10.3	53.1	35.7	.9	.0	.0	100.0	551

PERIOD: (OVER-ALL) 1950-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.8	7.5	11.2	5.8	3.6	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	200	4
6-7	.0	1.7	11.9	14.6	6.0	2.7	1.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	249	5
8-9	.0	.1	3.5	3.0	3.5	2.0	.4	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	80	6
10-11	.0	.7	1.8	.9	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	27	4
12-13	.0	.0	1.9	.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	4
>13	.0	.0	.0	.9	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	7
INDET	2.8	.4	2.9	1.4	1.0	.7	.1	.2	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	55	4
TOTAL PCT	4.1	10.4	33.1	27.3	14.5	6.6	2.3	.8	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	636 100.0	4

PERIOD: (PRIMARY) 1902-1978
(OVER-ALL) 1871-1978

AREA 0002 GILBERT ISLANDS
.5S 174.0E

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	1.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	3	.2
89/90	.9	1.6	.0	.0	.0	.0	.0	1.7	4.9	.0	.7	.0	9	.6
87/88	.9	4.1	2.0	.0	4.4	2.9	2.7	1.7	4.9	3.1	3.9	2.7	42	2.8
85/86	23.4	17.2	25.7	13.4	15.8	16.5	23.7	14.0	32.8	31.7	13.8	18.2	305	20.6
83/84	47.8	48.4	30.7	24.6	44.7	63.1	52.1	39.7	31.1	41.0	37.5	54.1	648	43.8
81/82	27.9	22.1	29.7	38.5	31.6	13.6	18.3	30.6	21.3	20.5	39.5	22.3	379	25.6
79/80	7.2	6.6	5.0	10.9	1.8	1.9	2.7	1.7	1.6	2.5	3.3	.7	55	3.7
77/78	1.8	.0	4.0	1.5	.0	1.0	.5	8.3	3.3	1.2	.7	.7	25	1.7
75/76	.0	.0	1.0	.0	.0	1.0	.0	1.7	.0	.0	.7	.7	6	.4
73/74	.0	.0	1.0	1.5	.0	.0	.0	.0	.0	.0	.0	.7	3	.2
71/72	.0	.0	.0	1.5	.0	.0	.0	.8	.0	.0	.0	.0	2	.1
69/70	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	1	.1
67/68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
65/66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
63/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	111	122	101	65	114	103	219	121	61	101	152	148	1478	100.0
MEAN	83.1	83.4	83.0	81.8	83.4	83.5	83.5	82.6	84.0	83.6	83.1	83.4	83.2	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1005	1003	1007	1010	1008		1008	1009	1006	121
FEB	1009	1007	1007	1009	1009	1009	1007	1009	1008	158
MAR	1009		1008	1011	1009		1008	1010	1009	100
APR	1010	1008	1008	1012	1012		1011		1010	58
MAY	1009	1007	1009	1009	1011	1007	1009	1009	1009	79
JUN	1009		1007	1008	1010		1009	1006	1009	73
JUL	1009	1006	1008	1008	1009		1008	1010	1009	191
AUG	1010		1008	1011	1011	1014	1008	1012	1010	85
SEP	1010		1009		1009		1010	1012	1010	61
OCT	1010	1009	1008	1008	1011	1006	1010	1009	1010	126
NOV	1007	1006	1008	1007	1009	1009	1009	1009	1007	173
DEC	1009	1006	1007	1008	1008	1006	1008	1008	1008	145
ANN	1009	1007	1008	1009	1010	1009	1009	1009	1009	1370
OBS	631	14	193	65	248	9	180	50		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	996	996	998	1002	1006	1009	1017	1020	1021
FEB	999	1000	1001	1007	1009	1010	1013	1017	1018
MAR	999	999	1004	1007	1009	1011	1014	1017	1020
APR	1004	1004	1006	1008	1009	1011	1018	1025	1026
MAY	1001	1001	1006	1007	1009	1011	1012	1018	1019
JUN	1005	1005	1006	1007	1008	1010	1012	1020	1021
JUL	1001	1001	1006	1007	1009	1010	1012	1016	1024
AUG	1005	1005	1006	1008	1010	1011	1014	1020	1021
SEP	1003	1003	1003	1009	1010	1012	1013	1016	1017
OCT	1006	1006	1007	1009	1010	1011	1012	1014	1015
NOV	998	999	1001	1006	1008	1009	1012	1015	1018
DEC	999	1000	1002	1006	1008	1009	1015	1016	1017

JANUARY

PERIOD: (PRIMARY) 1931-1975
(OVER-ALL) 1898-1975

AREA 0003 CANTON AND PHOENIX ISLS.
3.0S 171.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	22.2	.0	.0	.0	.0	.0	22.2	.0	.0	.0	.0	.0	.0	.0	77.8
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	3.1	.0	.0	.0	.0	95.3
E	.0	2.5	.0	.0	.0	.0	.0	2.5	.0	1.9	7.6	.0	.0	.0	.0	87.9
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.8	.0	.0	.0	.0	88.2
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	57.1	.0	42.9	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	100.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	1.5	3.0	1.5	.0	.0	.0	.0	6.0	.0	1.5	6.0	.0	.0	.0	.0	86.6
TOT OBS:	67															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	4.2	.0	4.2	.0	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0	.0	91.7
06609	.0	11.1	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0	.0	.0	88.9
12615	4.0	.0	.0	.0	.0	.0	.0	4.0	.0	4.0	16.0	.0	.0	.0	.0	76.0
18621	.0	10.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	90.0
TOT PCT	2.9	4.9	1.5	.0	.0	.0	.0	7.4	.0	1.5	5.9	.0	.0	.0	.0	85.3
TOT OBS:	68															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	3.6	4.2	1.2	.0	.0	.0		9.0	5.6	.0	22.5	10.0	.0	10.5	.0	.0	.0
NE	.0	9.9	13.6	.9	.0	.0		24.4	12.6	10.4	52.5	15.0	.0	26.3	6.3	12.5	.0
E	.0	20.2	28.9	5.7	.0	.0		54.8	13.9	60.4	15.0	65.0	.0	56.6	79.2	85.0	.0
SE	1.2	3.0	.9	.6	.0	.0		5.7	10.0	20.8	.0	.0	.0	1.3	14.6	2.5	.0
S	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	2.4	.0	.0	.9	.0		3.3	17.4	6.3	10.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	1.2	.0	.3	.0		1.5	18.4	2.1	.0	.0	.0	5.3	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.2							1.2	.0	.0	.0	10.0	.0	.0	.0	.0	.0
TOT OBS	5	33	38	6	1	0	83		12.6	12	20	10	0	19	12	10	0
TOT PCT	6.0	39.8	45.8	7.2	1.2	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)				
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21	
N	6.0	3.0	.0	.0	.0		9.0	5.6	14.1	10.0	6.3	.0	
NE	3.6	13.6	7.2	.0	.0		24.4	12.6	38.7	15.0	18.8	12.5	
E	7.5	26.5	20.8	.0	.0		54.8	13.9	32.0	65.0	65.3	85.0	
SE	2.1	2.7	.9	.0	.0		5.7	10.0	7.8	.0	6.5	2.5	
S	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
W	.0	2.4	.0	.9	.0		3.3	17.4	6.3	.0	.0	.0	
NW	.0	1.2	.0	.3	.0		1.5	18.4	.8	.0	3.2	.0	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	1.2						1.2	.0	.0	10.0	.0	.0	
TOT OBS	17	41	24	1	0	83		12.6	52	10	31	10	
TOT PCT	20.5	49.4	28.9	1.2	.0		100.0		100.0	100.0	100.0	100.0	

JANUARY

PERIOD: (PRIMARY) 1931-1975
(OVER-ALL) 1898-1975

AREA 0003 CANTON AND PHOENIX ISLS.
3.0S 171.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	9.4	37.5	40.6	9.4	3.1	.0	13.0	100.0	32
06&09	10.0	.0	10.0	80.0	.0	.0	.0	14.5	100.0	10
12&15	.0	3.2	58.1	35.5	3.2	.0	.0	10.5	100.0	31
18&21	.0	.0	20.0	60.0	20.0	.0	.0	16.4	100.0	10
TOT	1	4	33	38	6	1	0	12.6		83
PCT	1.2	4.8	39.8	45.8	7.2	1.2	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	2.1	2.1		6.5
NE	6.9	8.0	2.1	.0		2.8
E	15.4	22.9	23.4	6.4		4.0
SE	3.2	1.1	2.1	.0		3.0
S	.0	.0	.0	.0		.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	1.6		8.0
NW	.0	.0	.0	.5		8.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	2.1	.0		6.0
TOT OBS	12	15	15	5	47	4.0
TOT PCT	25.5	31.9	31.9	10.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	
NE	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	16.5	
E	.0	.0	.0	2.1	3.7	2.1	.0	.0	.0	2.1	58.0	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.4	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	
TOT OBS	0	0	0	1	3	1	0	0	0	1	41	47
TOT PCT	.0	.0	.0	2.1	6.4	2.1	.0	.0	.0	2.1	87.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) • OR >10	• OR >5	• OR >2	• OR >1	• OR >1/2	• OR >1/4	• OR >50YD	• OR >0
• OR >6500	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
• OR >5000	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
• OR >3500	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
• OR >2000	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
• OR >1000	8.5	10.6	10.6	10.6	10.6	10.6	10.6	10.6
• OR >600	10.6	12.8	12.8	12.8	12.8	12.8	12.8	12.8
• OR >300	10.6	12.8	12.8	12.8	12.8	12.8	12.8	12.8
• OR >150	10.6	12.8	12.8	12.8	12.8	12.8	12.8	12.8
• OR > 0	10.6	12.8	12.8	12.8	12.8	12.8	12.8	12.8
TOTAL	5	6	6	6	6	6	6	6

TOTAL NUMBER OF OBS: 47 PCT FREQ NH <5/8: 87.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD		TOTAL OBS
4.3	31.9	21.3	17.0	12.8	6.4	.0	.0	6.4	.0	47

JANUARY

PERIOD: (PRIMARY) 1931-1975
(OVER-ALL) 1898-1975

AREA 0003 CANTON AND PHOENIX ISLS.
3.0S 171.5W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	2.6	.4	.0	.0	3.0	
	NO PCP	.7	9.0	9.7	1.5	.0	.0	.0	.0	.0	.0	20.9	
	TOT %	.7	9.0	9.7	1.5	.0	.0	2.6	.4	.0	.0	23.9	
10+	PCP	1.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	3.0	
	NO PCP	4.5	14.9	47.4	4.9	.0	.0	.0	.0	.0	1.5	73.1	
	TOT %	6.0	14.9	48.9	4.9	.0	.0	.0	.0	.0	1.5	76.1	
	TOT OBS												67
	TOT PCT	6.7	23.9	58.6	6.3	.0	.0	2.6	.4	.0	1.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.7	5.1	7.4	1.5	.0	.0	1.5	.0	.0		16.2	
	11-21	.0	3.7	2.2	.0	.0	.0	.0	.0	.0		5.9	
	22+	.0	.0	.0	.0	.0	.0	1.1	.4	.0		1.5	
	TOT %	.7	8.8	9.6	1.5	.0	.0	2.6	.4	.0	.0	23.5	
10+	0-3	1.5	.0	.0	1.5	.0	.0	.0	.0	.0	1.5	4.4	
	4-10	2.9	5.1	10.7	1.8	.0	.0	.0	.0	.0		20.6	
	11-21	1.5	8.5	31.6	1.1	.0	.0	.0	.0	.0		42.6	
	22+	.0	1.1	7.0	.7	.0	.0	.0	.0	.0		8.8	
	TOT %	5.9	14.7	49.3	5.1	.0	.0	.0	.0	.0	1.5	76.5	
	TOT OBS												68
	TOT PCT	6.6	23.5	58.8	6.6	.0	.0	2.6	.4	.0	1.5	100.0	

JANUARY

PERIOD: (PRIMARY) 1931-1975
(OVER-ALL) 1898-1975

AREA 0003 CANTON AND PHOENIX ISLS.
3.0S 171.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <3/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <3/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	18.2	.0	.0	.0	.0	.0	18.2	81.8	11
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	9
12&15	.0	.0	.0	5.9	.0	.0	.0	.0	.0	.0	5.9	94.1	17
18&21	.0	.0	.0	.0	10.0	10.0	.0	.0	.0	10.0	30.0	70.0	10
TOT	0	0	0	1	3	1	0	0	0	1	6	41	47
PCT	.0	.0	.0	2.1	6.4	2.1	.0	.0	.0	2.1	12.8	87.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	37.5	62.5	24
06&09	.0	.0	.0	.0	.0	100.0	9
12&15	.0	.0	.0	.0	30.8	69.2	26
18&21	.0	.0	.0	.0	.0	100.0	10
TOT	0	0	0	0	17	52	69
PCT	.0	.0	.0	.0	24.6	75.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <500YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	18.2	81.8	11
06&09	.0	.0	.0	.0	100.0	9
12&15	.0	.0	5.9	.0	94.1	17
18&21	.0	.0	.0	30.0	70.0	10
TOT	0	0	1	5	41	47
PCT	.0	.0	2.1	10.6	87.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.0	1.6	.0	.0	1	1.6
80/84	.0	.0	.0	.0	.0	37.7	26.2	3.3	41	67.2
75/79	.0	.0	.0	.0	.0	1.6	23.0	6.6	19	31.1
TOTAL	0	0	0	0	0	25	30	6	61	100.0
PCT	.0	.0	.0	.0	.0	41.0	49.2	9.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0
5.7	15.6	38.9	3.7	.0	.0	.0	1.6	.0	1.6
.0	1.6	22.1	2.5	.0	.0	4.5	.4	.0	.0
5.7	17.2	62.7	6.1	.0	.0	4.5	2.0	.0	1.6

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	86	85	85	82	77	76	76	81.8	30
06&09	82	81	81	81	80	80	80	80.9	10
12&15	83	82	82	80	78	77	77	80.2	32
18&21	80	79	79	79	78	78	78	78.9	9
TOT	86	85	85	81	77	76	76	80.7	81

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	.0	70.6	5.9	23.5	81	17
06&09	.0	.0	.0	20.0	80.0	.0	81	10
12&15	.0	.0	.0	40.7	51.9	7.4	82	27
18&21	.0	.0	.0	.0	100.0	.0	84	8
TOT	0	0	0	25	31	6	82	62

JANUARY

PERIOD: (PRIMARY) 1931-1975
(OVER-ALL) 1890-1975

TABLE 17

AREA 0003 CANTON AND PHOENIX ISLS.
3.0S 171.5W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
4	.0	.0	3.2	1.6	3	.0	4.8
3	.0	.0	3.2	1.6	3	.0	4.8
2	.0	3.2	.0	.0	2	.0	3.2
1	.0	7.9	.0	1.6	6	1.6	7.9
0	.0	3.2	17.5	.0	13	1.6	19.0
-1	.0	11.1	1.6	.0	8	.0	12.7
-2	.0	12.7	11.1	.0	15	3.2	20.6
-3	.0	7.9	1.6	.0	6	.0	9.5
-4	.0	.0	3.2	.0	2	.0	3.2
-5	.0	1.6	1.6	.0	2	.0	3.2
-6	.0	1.6	.0	.0	1	.0	1.6
-7/-8	.0	1.6	.0	.0	1	.0	1.6
-9/-10	1.6	.0	.0	.0	1	.0	1.6
TOTAL	1	32	27	3	63	4	59
PCT	1.6	50.8	42.9	4.8	100.0	6.3	93.7

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.0	.0	.0	.0	.0	3.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.0	.0	.0	.0	.0	3.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	12.9	.0	.0	.0	.0	12.9
3-4	.0	.0	1.5	.0	.0	.0	1.5
5-6	.0	.0	.0	1.5	.0	.0	1.5
7	.0	.0	.0	.8	.0	.0	.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	12.9	1.5	2.3	.0	.0	16.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	8.3	.0	.0	.0	.0	8.3
3-4	.0	.0	34.8	.0	.0	.0	34.8
5-6	.0	.0	18.2	4.5	.0	.0	22.7
7	.0	.0	.0	5.3	.0	.0	5.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	8.3	53.0	9.8	.0	.0	71.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	3.0	.0	.0	.0	.0	.0	3.0
3-4	.0	3.0	.0	.0	.0	.0	3.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.0	3.0	.0	.0	.0	.0	6.1

PERIOD: (OVER-ALL) 1968-1979 JANUARY AREA 0003 CANTON AND PHOENIX ISLS. 3.0S 171.5W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	97.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.0	.0	.0	.0	.0	.0	3.0	
1-2	3.0	24.2	.0	.0	.0	.0	27.3	
3-4	.0	3.0	36.4	.0	.0	.0	39.4	
5-6	.0	.0	18.2	6.1	.0	.0	24.2	
7	.0	.0	.0	6.1	.0	.0	6.1	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	6.1	27.3	54.5	12.1	.0	.0	100.0	33

PERIOD: (OVER-ALL) 1956-1979

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	2.6	18.4	5.3	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	4
6-7	.0	2.6	23.7	13.2	7.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	4
8-9	.0	.0	2.6	2.6	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	5
10-11	.0	10.5	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
TOTAL	0	6	17	9	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	4
PCT	.0	15.8	44.7	23.7	15.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1934-1978
(OVER-ALL) 1898-1978

AREA 0003 CANTON AND PHOENIX ISLS.
3.0S 171.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.2	.0	.0	.0	.0	81.8
NE	.0	1.0	.0	.0	.0	.0	.0	1.0	1.0	3.9	.0	.0	.0	.0	.0	94.1
E	2.5	1.9	.0	.0	.0	.0	.0	4.3	4.3	.0	2.5	.0	.0	.0	.0	88.9
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.1	.0	.0	.0	.0	.0	87.9
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	1.2	1.2	.0	.0	.0	.0	.0	2.3	2.3	2.8	2.3	.0	.0	.0	.0	90.7
TOT OBS:	86															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	.0	.0	.0	.0	96.6
06&09	.0	5.6	.0	.0	.0	.0	.0	5.6	.0	.0	.0	.0	.0	.0	.0	94.4
12&15	.0	.0	.0	.0	.0	.0	.0	.0	6.9	6.9	3.4	.0	.0	.0	.0	82.8
18&21	7.7	7.7	.0	.0	.0	.0	.0	15.4	.0	.0	.0	.0	.0	.0	.0	84.6
TOT PCT	1.1	2.2	.0	.0	.0	.0	.0	3.4	2.2	2.2	2.2	.0	.0	.0	.0	89.9
TOT OBS:	89															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.7	.9	4.4	.0	.0	.0		6.1	11.5	.0	.0	14.5	.0	.0	21.4	6.3	.0
NE	.2	12.9	13.6	.9	.0	.0		27.6	11.4	30.0	25.0	23.7	.0	22.1	44.6	27.1	.0
E	1.9	21.3	25.7	.9	.0	.0		49.8	12.1	55.0	70.2	40.8	.0	53.8	26.8	39.6	.0
SE	.0	6.1	2.8	.0	.0	.0		8.9	7.9	8.3	.0	15.8	.0	16.3	.0	8.3	.0
S	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.5	.0	.0	.0		.5	13.0	.0	.0	.0	.0	.0	3.6	.0	.0
W	.0	.9	.5	.0	.0	.0		1.4	10.3	.0	.0	.0	.0	3.8	3.6	.0	.0
NW	.0	.0	1.2	.0	.0	.0		1.2	18.4	6.7	.0	.0	.0	.0	.0	2.1	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.7							4.7	.0	.0	4.8	5.3	.0	3.8	.0	16.7	.0
TOT OBS	8	45	52	2	0	0	107		11.0	15	21	19	0	26	14	12	0
TOT PCT	7.5	42.1	48.6	1.9	.0	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.7	5.4	.0	.0	.0		6.1	11.5	.0	14.5	7.5	6.3
NE	4.9	20.1	1.6	.9	.0		27.6	11.4	27.1	23.7	30.0	27.1
E	5.6	34.6	9.6	.0	.0		49.8	12.1	63.9	40.8	44.4	39.6
SE	4.7	4.2	.0	.0	.0		8.9	7.9	3.5	15.8	10.6	8.3
S	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
SW	.0	.5	.0	.0	.0		.5	13.0	.0	.0	1.5	.0
W	.0	1.4	.0	.0	.0		1.4	10.3	.0	.0	3.8	.0
NW	.0	.2	.9	.0	.0		1.2	18.4	2.8	.0	.0	2.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.7						4.7	.0	2.8	5.3	2.5	16.7
TOT OBS	22	71	13	1	0	107		11.0	36	19	40	12
TOT PCT	20.6	66.4	12.1	.9	.0		100.0		100.0	100.0	100.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1936-1978
(OVER-ALL) 1898-1978

AREA 0003 CANTON AND PHOENIX ISLS, 3.0S 171.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00603	2.8	.0	41.7	52.8	2.8	.0	.0	12.3	100.0	36
06609	5.3	5.3	36.8	52.6	.0	.0	.0	10.7	100.0	19
12615	2.5	5.0	50.0	42.5	.0	.0	.0	10.1	100.0	40
18621	16.7	.0	25.0	50.0	8.3	.0	.0	10.6	100.0	12
TOT	5	3	45	52	2	0	0	11.0		107
PCT	4.7	2.8	42.1	48.6	1.9	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.3	.0	1.7	1.3		5.8
NE	3.0	16.1	4.2	2.1		4.1
E	12.7	16.1	14.0	4.7		4.0
SE	11.9	.0	2.1	.0		2.2
S	.0	.0	.0	.0		.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	1.7	.4		7.2
VAR	.0	.0	.0	.0		.0
CALM	5.1	1.7	.0	.0		2.0
TOT OBS	20	20	14	5	59	3.8
TOT PCT	33.9	33.9	23.7	8.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	2.5	
NE	.0	.0	.0	.0	.0	1.7	.0	.0	.0	.0	23.7	
E	.0	.0	.0	.0	5.1	1.7	.0	.0	.0	.0	40.7	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.0	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	
TOT OBS	0	0	0	2	3	2	0	0	0	0	52	59
TOT PCT	.0	.0	.0	3.4	5.1	3.4	.0	.0	.0	.0	88.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >3OYD	* OR >0
* OR >6300	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
* OR >1000	6.6	8.2	8.2	8.2	8.2	8.2	8.2	8.2
* OR >600	9.8	11.5	11.5	11.5	11.5	11.5	11.5	11.5
* OR >300	9.8	11.5	11.5	11.5	11.5	11.5	11.5	11.5
* OR >150	9.8	11.5	11.5	11.5	11.5	11.5	11.5	11.5
* OR > 0	9.8	11.5	11.5	11.5	11.5	11.5	11.5	11.5
TOTAL	6	7	7	7	7	7	7	7

TOTAL NUMBER OF OBS: 61 PCT FREQ NH <5/8: 88.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
1.6	25.0	28.1	20.3	14.1	3.1	1.6	4.7	1.6	.0	64

FEBRUARY

PERIOD: (PRIMARY) 1934-1978
(OVER-ALL) 1898-1978

TABLE 8

AREA 0003 CANTON AND PHOENIX ISLS.
3.05 171.6W

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.9	.0	.0	.0	.0	.0	.0	.3	.0	.0	1.2	
	TOT %	.9	.0	.0	.0	.0	.0	.0	.3	.0	.0	1.2	
5<10	PCP	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	1.2	
	NO PCP	2.3	4.7	8.1	.0	.0	.6	.6	.0	.0	.0	16.3	
	TOT %	2.3	4.7	9.3	.0	.0	.6	.6	.0	.0	.0	17.4	
10+	PCP	.0	.3	.9	.0	.0	.0	.0	.0	.0	.0	1.2	
	NO PCP	3.2	24.7	36.9	9.6	.0	.0	.0	1.2	.0	4.7	80.2	
	TOT %	3.2	25.0	37.8	9.6	.0	.0	.0	1.2	.0	4.7	81.4	
	TOT OBS												86
	TOT PCT	6.4	29.7	47.1	9.6	.0	.6	.6	1.5	.0	4.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.9	.0	.0	.0	.0	.0	.0	.3	.0		1.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.9	.0	.0	.0	.0	.0	.0	.3	.0	.0	1.2	
5<10	0-3	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	1.2	
	4-10	1.2	1.2	3.5	.0	.0	.0	.0	.0	.0		5.8	
	11-21	1.2	3.5	4.7	.0	.0	.6	.6	.0	.0		10.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	2.3	4.7	9.3	.0	.0	.6	.6	.0	.0	.0	17.4	
10+	0-3	.9	.3	1.2	.0	.0	.0	.0	.0	.0	4.7	7.0	
	4-10	.0	10.5	10.2	7.3	.0	.0	.0	.0	.0		27.9	
	11-21	2.3	13.1	25.3	2.3	.0	.0	.0	1.2	.0		44.2	
	22+	.0	1.2	1.2	.0	.0	.0	.0	.0	.0		2.3	
	TOT %	3.2	25.0	37.8	9.6	.0	.0	.0	1.2	.0	4.7	81.4	
	TOT OBS												86
	TOT PCT	6.4	29.7	47.1	9.6	.0	.6	.6	1.5	.0	4.7	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1934-1978
(OVER-ALL) 1898-1978

AREA 0003 CANTON AND PHOENIX ISLS.
3.0S 171.6W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	6.7	.0	.0	.0	.0	.0	.0	6.7	93.3	15
06&09	.0	.0	.0	5.9	.0	.0	.0	.0	.0	.0	5.9	94.1	17
12&15	.0	.0	.0	.0	5.3	5.3	.0	.0	.0	.0	10.5	89.5	19
18&21	.0	.0	.0	.0	15.4	7.7	.0	.0	.0	.0	23.1	76.9	13
TOT	0	0	0	2	3	2	0	0	0	0	7	57	64
PCT	.0	.0	.0	3.1	4.7	3.1	.0	.0	.0	.0	10.9	89.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	20.7	79.3	29
06&09	.0	.0	.0	.0	5.6	94.4	18
12&15	.0	.0	.0	.0	27.6	72.4	29
18&21	.0	.0	.0	7.7	7.7	84.6	13
TOT	0	0	0	1	16	72	89
PCT	.0	.0	.0	1.1	18.0	80.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	7.7	.0	92.3	13
06&09	.0	.0	6.3	.0	93.8	16
12&15	.0	.0	.0	10.5	89.5	19
18&21	.0	.0	7.7	23.1	69.2	13
TOT	0	0	3	5	53	61
PCT	.0	.0	4.9	8.2	86.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	3.8	1.3	2.5	.0	6	7.5
80/84	.0	.0	.0	.0	1.3	42.5	36.3	1.3	65	81.3
75/79	.0	.0	.0	.0	.0	3.8	6.3	1.3	9	11.3
TOTAL	0	0	0	0	4	38	36	2	80	100.0
PCT	.0	.0	.0	.0	5.0	47.5	45.0	2.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
1.3	1.3	2.2	1.6	.0	.0	.0	.0	.0	1.3
3.4	22.5	39.1	8.8	.0	.0	1.3	1.3	.0	5.0
.0	2.5	7.2	1.6	.0	.0	.0	.0	.0	.0
4.7	26.3	48.4	11.9	.0	.0	1.3	1.3	.0	6.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	88	87	87	83	79	79	79	83.1	36
06&09	86	85	85	83	80	80	80	82.6	19
12&15	85	84	84	81	77	76	76	81.1	40
18&21	84	83	83	81	78	78	78	81.5	13
TOT	88	87	85	82	79	76	76	82.0	108

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	8.0	48.0	44.0	.0	78	25
06&09	.0	.0	11.1	55.6	33.3	.0	78	18
12&15	.0	.0	.0	43.3	56.7	.0	80	30
18&21	.0	.0	.0	40.0	40.0	20.0	83	10
TOT	0	0	4	39	38	2	80	83

FEBRUARY

PERIOD: (PRIMARY) 1934-1978
(OVER-ALL) 1898-1978

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
4	.0	.0	.0	2.5	2	.0	2.5
3	.0	.0	2.5	1.3	3	.0	3.8
2	.0	.0	5.0	.0	4	.0	5.0
1	.0	2.5	13.8	.0	13	1.3	15.0
0	.0	3.8	18.8	2.5	20	1.3	23.8
-1	.0	2.5	13.8	.0	13	.0	16.3
-2	.0	3.8	7.5	.0	9	.0	11.3
-3	1.3	2.5	3.8	1.3	7	.0	8.8
-4	.0	.0	2.5	.0	2	.0	2.5
-5	.0	2.5	3.8	.0	5	.0	6.3
-6	.0	1.3	.0	.0	1	.0	1.3
-7/-8	.0	.0	1.3	.0	1	.0	1.3
TOTAL	1		58		80	2	78
PCT	1.3	18.8	72.5	7.5	100.0	2.5	97.5

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	2.7	.0	.0	.0	2.7
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	7.1	.0	.0	.0	7.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	9.8	.0	.0	.0	9.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	14.3	.0	.0	.0	.0	14.3
3-4	.0	.0	8.0	.0	.0	.0	8.0
5-6	.0	.0	2.7	.0	.0	.0	2.7
7	.0	.0	.0	3.6	.0	.0	3.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	14.3	10.7	3.6	.0	.0	28.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	3.6	.0	.0	.0	.0	.0	3.6
1-2	.0	.0	10.7	.0	.0	.0	10.7
3-4	.0	10.7	17.0	.0	.0	.0	27.7
5-6	.0	.0	8.0	.0	.0	.0	8.0
7	.0	.0	3.6	.0	.0	.0	3.6
8-9	.0	.0	.0	3.6	.0	.0	3.6
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.6	10.7	39.3	3.6	.0	.0	57.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1978 FEBRUARY AREA 0003 CANTON AND PHOENIX ISLS. 3.0S 171.0W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.9	.0	.0	.0	.9	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	3.6	.0	.0	.0	3.6	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	4.5	.0	.0	.0	4.5	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.6	.0	.0	.0	.0	.0	3.6	
1-2	.0	14.3	14.3	.0	.0	.0	28.6	
3-4	.0	10.7	25.0	.0	.0	.0	35.7	
5-6	.0	.0	21.4	.0	.0	.0	21.4	
7	.0	.0	3.6	3.6	.0	.0	7.1	
8-9	.0	.0	.0	3.6	.0	.0	3.6	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.6	25.0	64.3	7.1	.0	.0	100.0	28

PERIOD: (OVER-ALL) 1950-1978

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	3.5	7.0	10.5	1.8	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	5
6-7	.0	1.8	17.5	19.3	1.8	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	4
8-9	.0	1.8	.0	1.8	5.3	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	6
10-11	.0	.0	.0	.0	.0	.0	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	10
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	.0	.0	8.8	3.5	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	4
TOTAL	0	4	19	21	5	3	5	0	0	0	0	0	0	0	0	0	0	0	0	57	5
PCT	.0	7.0	33.3	36.8	8.8	5.3	8.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1931-1977
(OVER-ALL) 1899-1977

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2.9S 171.8W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.7	.0	.0		.0	83.3
NE	1.6	4.8	.0	.0	.0	.0	.0	6.5	.0	.0	3.2	.0	3.2		.0	87.1
E	2.5	1.2	.0	.0	.0	.0	.0	3.8	.0	.0	5.0	.0	.0		.0	91.3
SE	28.6	.0	.0	.0	.0	.0	.0	28.6	.0	.0	.0	.0	.0		.0	71.4
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
TOT PCT	3.6	2.4	.0	.0	.0	.0	.0	6.0	.0	.0	4.8	.0	1.2		.0	88.0
TOT OBS:	83															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	6.5	6.5	.0	.0	.0	.0	.0	12.9	.0	.0	3.2	.0	3.2		.0	80.6
06609	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
12615	.0	2.9	.0	.0	.0	.0	.0	2.9	.0	.0	8.8	.0	.0		.0	88.2
18621	10.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0		.0	90.0
TOT PCT	3.4	3.4	.0	.0	.0	.0	.0	6.9	.0	.0	4.6	.0	1.1		.0	87.4
TOT OBS:	87															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	4.5	2.8	.0	.0	.0		7.3	9.0	.0	5.3	6.3	.0	13.6	11.8	.0	.0
NE	.9	24.1	12.7	1.4	.0	.0		39.2	10.3	53.1	51.5	39.1	.0	35.2	29.4	13.9	.0
E	.0	29.5	17.0	.5	.0	.0		46.9	9.9	43.8	41.7	48.4	.0	46.6	52.9	50.0	100.0
SE	.9	.5	3.5	.0	.0	.0		5.0	10.5	3.1	1.5	.0	.0	1.1	5.9	36.1	.0
S	.0	.0	.7	.0	.0	.0		.7	14.0	.0	.0	.0	.0	3.4	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.9	.0	.0	.0	.0		.9	9.0	.0	.0	6.3	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	2	63	39	2	0	0	106		10.0	8	33	16	0	22	17	9	1
TOT PCT	1.9	59.4	36.8	1.9	.0	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.1	5.2	.0	.0	.0		7.3	9.0	4.3	6.3	12.8	.0
NE	9.2	28.4	3.5	.0	.0		39.2	10.3	51.8	39.1	32.7	12.5
E	9.9	34.9	2.1	.0	.0		46.9	9.9	42.1	48.4	49.4	55.0
SE	1.4	3.5	.0	.0	.0		5.0	10.5	1.8	.0	3.2	32.5
S	.0	.7	.0	.0	.0		.7	14.0	.0	.0	1.9	.0
SW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
W	.0	.9	.0	.0	.0		.9	9.0	.0	6.3	.0	.0
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0						.0	.0	.0	.0	.0	.0
TOT OBS	24	76	6	0	0	106		10.0	41	16	39	10
TOT PCT	22.6	71.7	5.7	.0	.0		100.0		100.0	100.0	100.0	100.0

MARCH

PERIOD: (PRIMARY) 1931-1977
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00-03	.0	.0	51.2	43.9	4.9	.0	.0	11.2	100.0	41
06-09	.0	6.3	75.0	18.8	.0	.0	.0	8.1	100.0	16
12-15	.0	2.6	66.7	30.8	.0	.0	.0	9.4	100.0	39
18-21	.0	.0	40.0	60.0	.0	.0	.0	10.6	100.0	10
TOT	0	2	63	39	2	0	0	10.0		106
PCT	.0	1.9	59.4	36.8	1.9	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.2	2.2	4.3	.0		4.0
NE	14.7	9.2	5.4	2.2		3.4
E	19.6	12.0	12.0	6.5		3.9
SE	.5	3.3	2.2	2.2		5.1
S	.0	1.6	.0	.0		4.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	17	13	11	5	46	3.8
TOT PCT	37.0	28.3	23.9	10.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000-149	150-299	300-599	600-999	1000-1999	2000-3499	3500-4999	5000-6499	6500-7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	4.3	.0	.0	.0	.0	4.3	
NE	.0	.0	2.2	2.2	2.2	.0	.0	.0	.0	.0	23.0	
E	.0	.0	2.2	.0	6.5	.0	.0	.0	.0	.0	41.3	
SE	.0	.0	.0	.0	.0	2.2	.0	.0	.0	.0	6.0	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	2	1	4	3	0	0	0	0	36	46
TOT PCT	.0	.0	4.3	2.2	8.7	6.5	.0	.0	.0	.0	78.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	6.4	6.4	6.4	8.5	8.5	8.5	8.5	8.5
* OR >1000	12.8	14.9	14.9	17.0	17.0	17.0	17.0	17.0
* OR >600	14.9	17.0	17.0	19.1	19.1	19.1	19.1	19.1
* OR >300	19.1	21.3	21.3	23.4	23.4	23.4	23.4	23.4
* OR >150	19.1	21.3	21.3	23.4	23.4	23.4	23.4	23.4
* OR > 0	19.1	21.3	21.3	23.4	23.4	23.4	23.4	23.4
TOTAL	9	10	10	11	11	11	11	11

TOTAL NUMBER OF OBS: 47

PCT FREQ NH <5/8: 76.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD		TOTAL OBS
.0	16.3	26.5	16.3	16.3	8.2	10.2	.0	6.1	.0	49

MARCH

PERIOD: (PRIMARY) 1931-1977
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	1.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	1.2	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	2.4	1.8	.6	.0	.0	.0	.0	.0	.0	4.8	
	NO PCP	1.8	9.4	10.2	1.2	.0	.0	.0	.0	.0	.0	21.7	
	TOT %	1.8	10.8	12.0	1.8	.0	.0	.0	.0	.0	.0	26.5	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	5.4	26.5	36.1	3.3	.9	.0	.0	.0	.0	.0	72.3	
	TOT %	5.4	26.5	36.1	3.3	.9	.0	.0	.0	.0	.0	72.3	
	TOT OBS												83
	TOT PCT	7.2	37.3	48.2	6.3	.9	.0	.0	.0	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	1.2	.0	.0	.0	.0	.0		1.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	1.2	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	2.4	
	4-10	.6	7.8	7.8	.6	.0	.0	.0	.0	.0		16.9	
	11-21	1.2	1.2	3.6	.0	.0	.0	.0	.0	.0		6.0	
	22+	.0	.6	.6	.0	.0	.0	.0	.0	.0		1.2	
	TOT %	1.8	10.8	12.0	1.8	.0	.0	.0	.0	.0	.0	26.5	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	4.2	15.7	21.1	.0	.0	.0	.0	.0	.0		41.0	
	11-21	1.2	9.6	15.1	3.3	.9	.0	.0	.0	.0		30.1	
	22+	.0	1.2	.0	.0	.0	.0	.0	.0	.0		1.2	
	TOT %	5.4	26.5	36.1	3.3	.9	.0	.0	.0	.0	.0	72.3	
	TOT OBS												83
	TOT PCT	7.2	37.3	48.2	6.3	.9	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1931-1977
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	12.5	25.0	12.5	.0	.0	.0	.0	50.0	50.0	8
06&09	.0	.0	.0	.0	.0	9.1	.0	.0	.0	.0	9.1	90.9	11
12&15	.0	.0	.0	.0	10.0	5.0	.0	.0	.0	.0	15.0	85.0	20
18&21	.0	.0	22.2	.0	.0	11.1	.0	.0	.0	.0	33.3	66.7	9
TOT	0	0	2	1	4	4	0	0	0	0	11	37	48
PCT	.0	.0	4.2	2.1	8.3	8.3	.0	.0	.0	.0	22.9	77.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	41.9	58.1	31
06&09	.0	.0	.0	.0	8.3	91.7	12
12&15	.0	.0	.0	.0	32.4	67.6	34
18&21	.0	.0	10.0	.0	.0	90.0	10
TOT	0	0	1	0	25	61	87
PCT	.0	.0	1.1	.0	28.7	70.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	12.5	37.5	50.0	8
06&09	.0	.0	.0	10.0	90.0	10
12&15	.0	.0	.0	15.0	85.0	20
18&21	.0	22.2	33.3	.0	66.7	9
TOT	0	2	4	7	36	47
PCT	.0	4.3	8.5	14.9	76.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	1.3	5.3	2.7	.0	7	9.3
80/84	.0	.0	.0	.0	.0	29.3	38.7	8.0	57	76.0
75/79	.0	.0	.0	.0	.0	2.7	9.3	2.7	11	14.7
TOTAL	0	0	0	0	1	28	38	8	75	100.0
PCT	.0	.0	.0	.0	1.3	37.3	50.7	10.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
1.3	4.7	3.0	.3	.0	.0	.0	.0	.0	.0
2.7	28.0	38.3	4.7	1.0	.0	1.3	.0	.0	.0
1.3	2.7	8.7	2.0	.0	.0	.0	.0	.0	.0
5.3	35.3	50.0	7.0	1.0	.0	1.3	.0	.0	.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	89	88	88	83	79	77	77	82.7	44
06&09	86	85	85	82	79	79	79	82.3	16
12&15	84	83	83	80	78	77	77	80.5	41
18&21	84	83	83	82	79	79	79	81.9	10
TOT	89	88	85	82	79	77	77	81.8	111

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	3.8	46.2	46.2	3.8	79	26
06&09	.0	.0	.0	41.7	41.7	16.7	81	12
12&15	.0	.0	.0	31.3	53.1	15.6	84	32
18&21	.0	.0	.0	22.2	66.7	11.1	83	9
TOT	0	0	1	29	40	9	82	79

MARCH

PERIOD: (PRIMARY) 1931-1977
(OVER-ALL) 1899-1977

AREA 0003 CANTON AND PHOENIX ISLS.
2.9S 171.6W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
5	.0	.0	1.3	.0	1	.0	1.3
4	.0	.0	1.3	.0	1	.0	1.3
3	.0	1.3	2.5	.0	3	.0	3.8
1	1.3	3.8	1.3	.0	5	.0	6.3
0	6.3	17.7	.0	1.3	20	1.3	24.1
-1	8.9	10.1	1.3	.0	16	2.5	17.7
-2	7.6	8.9	.0	.0	13	1.3	15.2
-3	2.5	3.8	.0	.0	5	.0	6.3
-4	1.3	3.8	1.3	.0	5	.0	6.3
-5	2.5	5.1	.0	.0	6	.0	7.6
-6	1.3	.0	.0	.0	1	.0	1.3
-7/-8	2.5	.0	.0	.0	2	.0	2.5
-9/-10	1.3	.0	.0	.0	1	.0	1.3
TOTAL	28		7		79	4	75
PCT	35.4	54.4	8.9	1.3	100.0	5.1	94.9

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	6.9	3.4	.0	.0	.0	10.3
3-4	.0	3.4	.0	.0	.0	.0	3.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.3	3.4	.0	.0	.0	13.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	8.6	.0	.0	.0	.0	8.6
3-4	.0	7.8	4.3	.0	.0	.0	12.1
5-6	.0	3.4	3.4	3.4	.0	.0	10.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	19.8	7.8	3.4	.0	.0	31.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	19.0	8.6	.0	.0	.0	27.6
3-4	.0	2.6	9.5	.0	.0	.0	12.1
5-6	.0	.0	6.9	.0	.0	.0	6.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	21.6	25.0	.0	.0	.0	46.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	2.6	.0	.0	.0	2.6
3-4	.0	.0	3.4	.0	.0	.0	3.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	6.0	.0	.0	.0	6.0

PERIOD: (OVER-ALL) 1963-1977

MARCH

TABLE 1B (CONT)

AREA 0003 CANTON AND PHOENIX ISLS. 2,9S 171,8W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	2.6	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	2.6	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	34.5	17.2	.0	.0	.0	51.7	
3-4	.0	13.8	17.2	.0	.0	.0	31.0	
5-6	.0	3.4	10.3	3.4	.0	.0	17.2	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								29
TOT PCT	.0	51.7	44.8	3.4	.0	.0	100.0	

PERIOD: (OVER-ALL) 1954-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	23.8	14.3	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	3
6-7	.0	.0	11.9	9.5	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	5
8-9	.0	.0	7.1	2.4	2.4	2.4	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	6
10-11	.0	.0	.0	2.4	.0	2.4	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	8
12-13	.0	.0	2.4	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
TOTAL	0	10	15	9	2	4	1	1	0	0	0	0	0	0	0	0	0	0	0	42	4
PCT	.0	23.8	35.7	21.4	4.8	9.5	2.4	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1925-1977
(OVER-ALL) 1884-1977

AREA 0003 CANTON AND PHOENIX ISLS.
2.9S 171.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NE	.0	3.8	3.8	.0	.0	.0	.0	7.7	.0	1.9	11.5	.0	.0		.0	78.8
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9	2.8	.0	.0		.0	90.3
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SW	100.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0		.0	.0
W	100.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0		.0	.0
NW	50.0	.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0		.0	50.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	2.6	1.3	1.3	.0	.0	.0	.0	5.1	.0	3.8	5.1	.0	.0		.0	85.9
TOT OBS:	78															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	2.8	2.8	.0	.0	.0	.0	.0	5.6	.0	.0	2.8	.0	.0		.0	91.7
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
12&15	3.8	.0	.0	.0	.0	.0	.0	3.8	.0	7.7	11.5	.0	.0		.0	76.9
18&21	.0	.0	11.1	.0	.0	.0	.0	11.1	.0	11.1	.0	.0	.0		.0	77.8
TOT PCT	2.5	1.3	1.3	.0	.0	.0	.0	5.1	.0	3.8	5.1	.0	.0		.0	86.1
TOT OBS:	79															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	1.6	.8	.0	.0	.0		2.3	8.2	7.6	2.3	.0	.0	.0	.0	.0	.0
NE	.5	27.1	10.4	.3	.0	.0		38.3	9.4	31.5	46.6	36.1	.0	42.5	48.8	18.2	.0
E	1.6	29.2	13.5	.8	.0	.0		45.1	10.3	52.2	33.0	50.0	100.0	47.5	36.3	59.1	.0
SE	.0	4.7	1.3	.0	.0	.0		6.0	9.0	4.3	9.1	2.8	.0	10.0	5.0	4.5	.0
S	1.0	1.0	.0	.0	.0	.0		2.1	8.5	4.3	.0	.0	.0	.0	.0	9.1	.0
SW	.0	.0	.5	.0	.0	.0		.5	13.0	.0	.0	.0	.0	.0	2.5	.0	.0
W	.0	.0	.5	.0	.0	.0		.5	13.0	.0	.0	.0	.0	.0	2.5	.0	.0
NW	1.0	.0	1.0	.0	.0	.0		2.1	7.5	.0	4.5	.0	.0	.0	5.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.1							3.1	.0	.0	4.5	11.1	.0	.0	.0	9.1	.0
TOT OBS	7	61	27	1	0	0	96		9.3	23	22	9	1	10	20	11	0
TOT PCT	7.3	63.5	28.1	1.0	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.0	1.3	.0	.0	.0		2.3	8.2	5.0	.0	.0	.0
NE	10.4	24.7	3.1	.0	.0		38.3	9.4	38.9	32.5	46.7	18.2
E	7.3	32.8	4.9	.0	.0		45.1	10.3	42.8	55.0	40.0	59.1
SE	2.1	3.6	.3	.0	.0		6.0	9.0	6.7	2.5	6.7	4.5
S	2.1	.0	.0	.0	.0		2.1	8.5	2.2	.0	.0	9.1
SW	.0	.5	.0	.0	.0		.5	13.0	.0	.0	1.7	.0
W	.0	.5	.0	.0	.0		.5	13.0	.0	.0	1.7	.0
NW	1.0	1.0	.0	.0	.0		2.1	7.5	2.2	.0	3.3	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.1						3.1	.0	2.2	10.0	.0	9.1
TOT OBS	26	62	8	0	0	96		9.3	45	10	30	11
TOT PCT	27.1	64.6	8.3	.0	.0		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1925-1977
(OVER-ALL) 1884-1977

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	2.2	3.4	62.2	28.9	2.2	.0	.0	9.4	100.0	45
06&09	10.0	.0	60.0	30.0	.0	.0	.0	8.9	100.0	10
12&15	.0	6.7	70.0	23.3	.0	.0	.0	9.0	100.0	30
18&21	9.1	.0	54.5	36.4	.0	.0	.0	10.3	100.0	11
TOT	3	4	61	27	1	0	0	9.3		96
PCT	3.1	4.2	63.5	28.1	1.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.6	1.9	.0	.0		2.4
NE	7.7	1.9	12.2	7.7		5.3
E	23.1	18.6	12.8	.0		3.2
SE	.0	3.2	.6	.0		4.1
S	2.6	.0	2.6	.0		3.5
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	2.6	.0	.0		3.0
TOT OBS	14	11	11	3	39	3.8
TOT PCT	35.9	28.2	28.2	7.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	
NE	.0	.0	.0	.0	3.2	.0	2.6	.0	.0	.0	23.7	
E	.0	.0	.0	.0	1.9	2.6	.0	.0	.0	.0	50.0	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	
S	.0	.0	.0	.0	.0	.0	2.6	.0	.0	.0	2.6	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	
TOT OBS	0	0	0	0	2	1	2	0	0	0	34	39
TOT PCT	.0	.0	.0	.0	5.1	2.6	5.1	.0	.0	.0	87.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
* OR >2000	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
* OR >1000	10.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5
* OR >600	10.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5
* OR >300	10.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5
* OR >150	10.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5
* OR > 0	10.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5
TOTAL	4	5	5	5	5	5	5	5

TOTAL NUMBER OF OBS: 40

PCT FREQ NH <5/8: 87.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
4.7	18.6	23.3	25.6	16.3	2.3	9.3	.0	.0	43

APRIL

PERIOD: (PRIMARY) 1925-1977
(OVER-ALL) 1884-1977

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.6	.6	.0	.0	.0	1.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.6	.6	.0	.0	.0	1.3	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	1.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	1.3	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	1.3	
	NO PCP	.0	11.9	11.2	3.8	.0	.0	.0	1.3	.0	2.6	30.8	
	TOT %	.0	11.9	11.2	3.8	.0	.0	.0	2.6	.0	2.6	32.1	
10+	PCP	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	1.3	
	NO PCP	2.9	18.9	35.3	3.2	2.6	.0	.0	.0	.0	1.3	64.1	
	TOT %	2.9	20.2	35.3	3.2	2.6	.0	.0	.0	.0	1.3	65.4	
	TOT OBS												78
	TOT PCT	2.9	33.3	46.5	7.1	2.6	.6	.6	2.6	.0	3.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.6	.6	.0	.0		1.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.6	.6	.0	.0	.0	1.3	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	1.3	.0	.0	.0	.0	.0	.0	.0		1.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	1.3	
5<10	0-3	.0	.0	1.3	.0	.0	.0	.0	1.3	.0	2.6	5.1	
	4-10	.0	8.7	9.3	3.8	.0	.0	.0	.0	.0		21.8	
	11-21	.0	3.2	.6	.0	.0	.0	.0	1.3	.0		5.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	11.9	11.2	3.8	.0	.0	.0	2.6	.0	2.6	32.1	
10+	0-3	.0	.6	.6	.0	1.3	.0	.0	.0	.0	1.3	3.8	
	4-10	1.9	12.5	21.2	1.6	1.3	.0	.0	.0	.0		38.5	
	11-21	1.0	6.7	12.5	1.6	.0	.0	.0	.0	.0		21.8	
	22+	.0	.3	1.0	.0	.0	.0	.0	.0	.0		1.3	
	TOT %	2.9	20.2	35.3	3.2	2.6	.0	.0	.0	.0	1.3	65.4	
	TOT OBS												78
	TOT PCT	2.9	33.3	46.5	7.1	2.6	.6	.6	2.6	.0	3.8	100.0	

APRIL

PERIOD: (PRIMARY) 1925-1977
(OVER-ALL) 1884-1977

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	5.3	.0	10.5	.0	.0	.0	15.8	84.2	19
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	8
12&15	.0	.0	.0	.0	12.5	12.5	.0	.0	.0	.0	25.0	75.0	8
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	8
TOT	0	0	0	0	2	1	2	0	0	0	5	38	43
PCT	.0	.0	.0	.0	4.7	2.3	4.7	.0	.0	.0	11.6	88.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	30.6	69.4	36
06&09	.0	.0	.0	.0	12.5	87.5	8
12&15	.0	3.8	.0	.0	50.0	46.2	26
18&21	.0	.0	.0	11.1	.0	88.9	9
TOT	0	1	0	1	25	52	79
PCT	.0	1.3	.0	1.3	31.6	65.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8),BY HOUR

HOUR (GMT)	<150 <3OYD	<600 <1	<1000 <3	1000+ AND3+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	15.8	84.2	19
06&09	.0	.0	.0	.0	100.0	7
12&15	.0	.0	.0	25.0	75.0	8
18&21	.0	.0	16.7	.0	83.3	6
TOT	0	0	1	5	34	40
PCT	.0	.0	2.5	12.5	85.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	1.5	.0	.0	.0	1	1.5
85/89	.0	.0	.0	.0	.0	8.8	1.5	.0	7	10.3
80/84	.0	.0	.0	1.5	1.5	29.4	36.8	7.4	52	76.5
75/79	.0	.0	.0	.0	.0	.0	5.9	5.9	8	11.8
TOTAL	0	0	0	1	2	26	30	9	68	100.0
PCT	.0	.0	.0	1.5	2.9	38.2	44.1	13.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.4	1.1	.0	.0	.0	.0	.0	.0	.0
1.5	3.3	2.6	.0	1.5	.0	.0	.0	.0	1.5
1.8	34.2	36.8	2.2	1.5	.0	.0	.0	.0	.0
.0	1.8	4.8	.7	.0	.7	.7	2.9	.0	.0
3.3	39.7	45.2	2.9	2.9	.7	.7	2.9	.0	1.5

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	91	90	87	83	79	78	78	83.5	45
06&09	84	83	83	82	81	81	81	82.0	10
12&15	84	83	83	81	78	76	76	80.8	29
18&21	84	83	83	81	80	80	80	81.7	10
TOT	91	90	86	82	79	76	76	82.3	94

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	5.9	44.1	38.2	11.8	80	34
06&09	.0	.0	.0	33.3	55.6	11.1	82	9
12&15	.0	5.6	.0	27.8	38.9	27.8	83	18
18&21	.0	.0	.0	37.5	62.5	.0	79	8
TOT	0	1	2	26	30	10	81	69

APRIL

PERIOD: (PRIMARY) 1925-1977
(OVER-ALL) 1884-1977

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
6	.0	.0	.0	.0	1.5	1	.0	1.5
5	.0	.0	.0	1.5	.0	1	.0	1.5
4	.0	.0	.0	1.5	.0	1	.0	1.5
3	.0	1.5	.0	.0	1.5	2	.0	3.0
2	.0	.0	1.5	.0	.0	1	.0	1.5
1	.0	3.0	11.9	1.5	.0	11	.0	16.4
0	.0	3.0	7.5	1.5	.0	8	.0	11.9
-1	.0	.0	17.9	4.5	.0	15	4.5	17.9
-2	.0	3.0	11.9	.0	.0	10	1.5	13.4
-3	1.5	6.0	7.5	.0	.0	10	.0	14.9
-4	.0	1.5	1.5	.0	.0	2	.0	3.0
-5	.0	3.0	4.5	.0	.0	5	.0	7.5
TOTAL	1	14	43	7	2	67	4	63
PCT	1.5	20.9	64.2	10.4	3.0	100.0	6.0	94.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.0	.0	.0	.0	.0	4.0
3-4	.0	.0	3.0	.0	.0	.0	3.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.0	3.0	.0	.0	.0	7.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	8.0	.0	.0	.0	.0	8.0
3-4	.0	3.0	13.0	1.0	.0	.0	17.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	8.0	.0	.0	.0	8.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	11.0	21.0	1.0	.0	.0	33.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	8.0	.0	.0	.0	.0	8.0
1-2	.0	16.0	.0	.0	.0	.0	16.0
3-4	.0	13.0	4.0	3.0	.0	.0	20.0
5-6	.0	.0	12.0	.0	.0	.0	12.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	37.0	16.0	3.0	.0	.0	56.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1977

APRIL

AREA 0003 CANTON AND PHOENIX ISLS.
2.9S 171.7W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	4.0	.0	.0	.0	.0	4.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.0	.0	.0	.0	.0	4.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	12.0	.0	.0	.0	.0	12.0	
1-2	.0	28.0	.0	.0	.0	.0	28.0	
3-4	.0	16.0	20.0	4.0	.0	.0	40.0	
5-6	.0	.0	12.0	.0	.0	.0	12.0	
7	.0	.0	8.0	.0	.0	.0	8.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	56.0	40.0	4.0	.0	.0	100.0	25

PERIOD: (OVER-ALL) 1951-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	5.9	5.9	5.9	8.8	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	3
6-7	.0	2.9	14.7	17.6	17.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	5
8-9	.0	.0	8.8	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	4
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	0
TOTAL	3	3	11	10	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	4
PCT	8.8	8.8	32.4	29.4	20.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MAY

PERIOD: (PRIMARY) 1930-1977
(OVER-ALL) 1897-1977

AREA 0003 CANTON AND PHOENIX ISLS, 3.0S 171.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	25.0	.0	.0	.0	.0	.0	25.0	.0	.0	25.0	.0	.0	.0		50.0
NE	.0	3.3	.0	.0	.0	.0	.0	3.3	.0	.0	13.1	.0	.0	.0		83.6
E	3.2	5.6	.0	.0	.0	.0	.0	8.8	1.9	.0	.9	.0	.0	.0		88.4
SE	1.7	3.3	.0	.0	.0	.0	.0	5.0	.0	.0	3.3	.0	.0	.0		91.7
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0		83.3
TOT PCT	2.0	5.0	.0	.0	.0	.0	.0	7.0	1.0	1.0	4.0	.0	.0	.0		87.0
TOT OBS:	100															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	2.4	7.3	.0	.0	.0	.0	.0	9.8	.0	.0	7.3	.0	.0	.0		82.9
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
12&15	.0	2.9	.0	.0	.0	.0	.0	2.9	.0	2.9	2.9	.0	.0	.0		91.2
18&21	7.1	7.1	.0	.0	.0	.0	.0	14.3	7.1	.0	.0	.0	.0	.0		78.6
TOT PCT	2.0	5.0	.0	.0	.0	.0	.0	6.9	1.0	1.0	4.0	.0	.0	.0		87.1
TOT OBS:	101															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.8	3.9	.0	.0	.0	.0		4.7	5.5	4.0	12.0	.0	.0	4.3	.0	5.6	.0
NE	.8	10.9	5.2	.0	.0	.0		16.9	9.1	5.0	32.0	23.5	.0	18.5	16.7	4.2	.0
E	2.7	24.2	23.1	1.4	.0	.0		51.4	11.1	50.0	45.0	32.4	.0	55.6	60.7	63.9	.0
SE	.4	9.3	4.3	.2	.0	.0		14.1	9.6	21.0	7.0	22.1	.0	13.0	13.1	9.7	.0
S	.0	2.1	.0	.0	.0	.0		2.1	4.7	8.0	.0	4.4	.0	.0	.0	.0	.0
SW	.8	3.9	.0	.0	.0	.0		4.7	7.8	8.0	4.0	11.8	.0	.0	.0	5.6	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	6.2							6.2	.0	4.0	.0	5.9	.0	8.7	9.5	11.1	.0
TOT OBS	15	70	42	2	0	0	129		9.3	25	25	17	0	23	21	18	0
TOT PCT	11.6	54.3	32.6	1.6	.0	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.1	1.6	.0	.0	.0		4.7	5.5	8.0	.0	2.3	5.6
NE	4.7	11.2	1.0	.0	.0		16.9	9.1	18.5	23.5	17.6	4.2
E	11.0	30.6	9.7	.0	.0		51.4	11.1	47.5	32.4	58.0	63.9
SE	4.7	7.8	1.7	.0	.0		14.1	9.6	14.0	22.1	13.1	9.7
S	2.1	.0	.0	.0	.0		2.1	4.7	4.0	4.4	.0	.0
SW	.8	3.9	.0	.0	.0		4.7	7.8	6.0	11.8	.0	5.6
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	6.2						6.2	.0	2.0	5.9	9.1	11.1
TOT OBS	42	71	16	0	0	129		9.3	50	17	44	18
TOT PCT	32.6	55.0	12.4	.0	.0		100.0		100.0	100.0	100.0	100.0

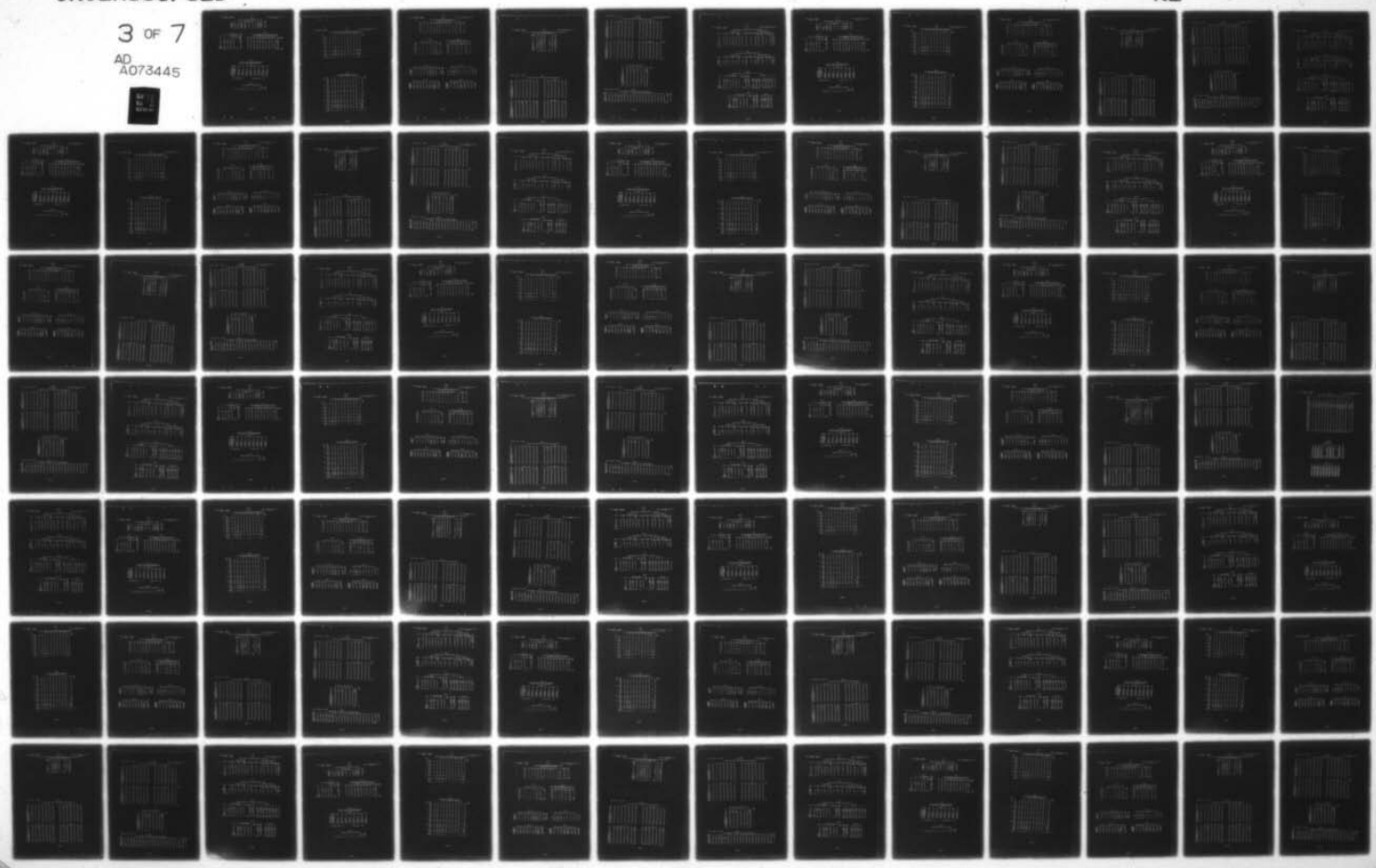
AD-A073 445 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C F/G 4/2

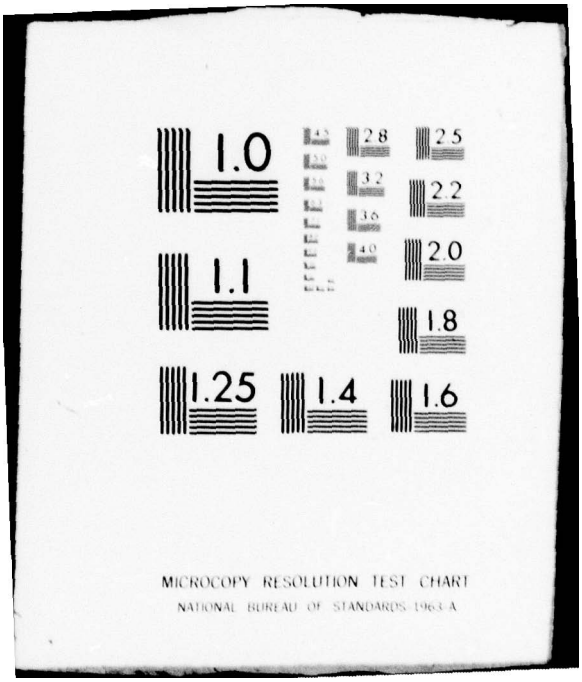
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1.0
1.1
1.25
1.4
1.6
2.8
3.2
3.6
4.0
2.5
2.2
2.0
1.8
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

PERIOD: (PRIMARY) 1930-1977
(OVER-ALL) 1897-1977

AREA 0003 CANTON AND PHOENIX ISLS.
3.0S 171.7W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	2.0	4.0	52.0	40.0	2.0	.0	.0	10.3	100.0	50
06&09	5.9	5.9	58.8	29.4	.0	.0	.0	8.9	100.0	17
12&15	9.1	9.1	59.1	20.5	2.3	.0	.0	8.0	100.0	44
18&21	11.1	.0	44.4	44.4	.0	.0	.0	10.0	100.0	18
TOT	8	7	70	42	2	0	0	9.3		129
PCT	6.2	5.4	54.3	32.6	1.6	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.6	.0	3.2	.0		4.0
NE	2.4	6.5	.4	.0		3.5
E	19.0	17.7	15.7	3.2		3.5
SE	8.1	4.8	3.2	.0		3.2
S	2.8	.0	.0	.0		.4
SW	.0	.0	3.2	1.6		7.3
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	3.2	3.2	.0	.0		2.7
TOT OBS	23	20	16	3	62	3.5
TOT PCT	37.1	32.3	25.8	4.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	1.6	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.3	
E	.0	.0	.0	2.8	1.2	3.2	.0	.0	.0	.0	48.4	
SE	.0	.0	.0	.4	.4	.0	.0	.0	.0	.0	15.3	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	
TOT OBS	0	0	0	4	1	2	0	0	0	0	55	62
TOT PCT	.0	.0	.0	6.5	1.6	3.2	.0	.0	.0	.0	88.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
* OR >1000	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
* OR >600	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
* OR >300	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
* OR >150	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
* OR > 0	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
TOTAL	7	7	7	7	7	7	7	7

TOTAL NUMBER OF OBS: 61

PCT FREQ NH <5/8: 88.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
6.3	14.1	32.8	17.2	18.8	4.7	3.1	1.6	1.6	.0	64

MAY

PERIOD: (PRIMARY) 1930-1977
(OVER-ALL) 1897-1977

TABLE 8

AREA 0003 CANTON AND PHOENIX ISLS.
3.0S 171.7W

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.5	2.5	.0	.0	.0	.0	.0	.0	.0	3.0	
	NO PCP	1.0	3.5	11.3	2.3	.0	1.0	.0	.0	.0	2.0	21.0	
	TOT %	1.0	4.0	13.8	2.3	.0	1.0	.0	.0	.0	2.0	24.0	
10+	PCP	1.0	.0	2.3	.M	.0	.0	.0	.0	.0	.0	4.0	
	NO PCP	2.0	11.3	38.0	12.0	1.8	3.0	.0	.0	.0	4.0	72.0	
	TOT %	3.0	11.3	40.3	12.8	1.8	3.0	.0	.0	.0	4.0	76.0	
	TOT OBS												100
	TOT PCT	4.0	15.3	54.0	15.0	1.8	4.0	.0	.0	.0	6.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	1.0	.0	.0	1.0	.0	.0	.0	2.0	4.0	
	4-10	1.0	2.0	6.9	1.0	.0	.0	.0	.0	.0		10.9	
	11-21	.0	2.0	5.7	1.2	.0	.0	.0	.0	.0		8.9	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.0	4.0	13.6	2.2	.0	1.0	.0	.0	.0	2.0	23.8	
10+	0-3	1.0	.0	1.5	.5	.0	.0	.0	.0	.0	5.0	7.9	
	4-10	2.0	7.4	14.6	7.9	1.7	3.0	.0	.0	.0		36.6	
	11-21	.0	3.7	22.0	4.0	.0	.0	.0	.0	.0		29.7	
	22+	.0	.0	1.7	.2	.0	.0	.0	.0	.0		2.0	
	TOT %	3.0	11.1	39.9	12.6	1.7	3.0	.0	.0	.0	5.0	76.2	
	TOT OBS												101
	TOT PCT	4.0	15.1	53.5	14.9	1.7	4.0	.0	.0	.0	6.9	100.0	

PERIOD: (PRIMARY) 1930-1977
(OVER-ALL) 1897-1977

AREA 0003 CANTON AND PHOENIX ISLS.
3.0S 171.7W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	9.5	.0	4.8	.0	.0	.0	.0	14.3	85.7	21
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	12
12&15	.0	.0	.0	6.3	6.3	6.3	.0	.0	.0	.0	18.8	81.3	16
18&21	.0	.0	.0	6.7	.0	.0	.0	.0	.0	.0	6.7	93.3	15
TOT	0	0	0	4	1	2	0	0	0	0	7	57	64
PCT	.0	.0	.0	6.3	1.6	3.1	.0	.0	.0	.0	10.9	89.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	29.3	70.7	41
06&09	.0	.0	.0	.0	.0	100.0	12
12&15	.0	.0	.0	.0	34.3	65.7	35
18&21	.0	.0	.0	.0	.0	100.0	14
TOT	0	0	0	0	24	78	102
PCT	.0	.0	.0	.0	23.5	76.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	10.0	5.0	85.0	20
06&09	.0	.0	.0	.0	100.0	12
12&15	.0	.0	6.7	13.3	80.0	15
18&21	.0	.0	7.1	.0	92.9	14
TOT	0	0	4	3	54	61
PCT	.0	.0	6.6	4.9	88.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	1.1	4.4	2.2	.0	7	7.7
80/84	.0	.0	.0	.0	3.3	31.9	39.6	3.3	71	78.0
75/79	.0	.0	.0	.0	1.1	5.3	7.7	1.1	12	13.2
70/74	.0	.0	.0	.0	.0	.0	.0	1.1	1	1.1
TOTAL	0	0	0	0	5	36	45	5	91	100.0
PCT	.0	.0	.0	.0	5.5	39.6	49.5	5.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	2.7	2.2	1.6	.0	.0	.0	.0	.0	1.1
4.4	9.6	46.2	14.8	.8	.0	.0	.0	.0	2.2
.0	.5	10.2	.3	.0	.0	.0	.0	.0	2.2
.0	.0	.8	.3	.0	.0	.0	.0	.0	.0
4.4	12.9	59.3	17.0	.8	.0	.0	.0	.0	5.5

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	87	86	86	83	79	77	77	83.0	52
06&09	85	84	84	82	78	78	78	81.9	17
12&15	84	83	83	81	79	74	74	81.0	43
18&21	83	82	82	81	78	78	78	80.8	17
TOT	87	86	86	82	78	77	74	81.9	129

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&09	.0	.0	5.7	37.1	48.6	8.6	81	35
06&09	.0	.0	.0	93.3	46.7	.0	80	15
12&15	.0	.0	7.1	39.3	46.4	7.1	81	28
18&21	.0	.0	6.7	40.0	53.3	.0	79	15
TOT	0	0	9	38	45	5	80	93

MAY

PERIOD: (PRIMARY) 1930-1977
(OVER-ALL) 1897-1977

AREA 0003 CANTON AND PHOENIX ISLS.
3.0S 171.7W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
5	.0	.0	.0	1.1	1	.0	1.1
4	.0	.0	3.2	.0	3	.0	3.2
3	.0	.0	.0	3.2	3	.0	3.2
2	.0	.0	.0	1.1	1	.0	1.1
1	.0	.0	4.2	1.1	5	2.1	3.2
0	.0	.0	13.7	2.1	15	.0	15.8
-1	.0	1.1	9.5	1.1	11	.0	11.6
-2	.0	11.6	12.6	1.1	24	1.1	24.2
-3	.0	8.4	2.1	.0	10	.0	10.5
-4	.0	7.4	7.4	.0	14	1.1	13.7
-5	.0	1.1	2.1	.0	3	.0	3.2
-6	.0	1.1	2.1	.0	3	.0	3.2
-7/-8	1.1	.0	.0	.0	1	.0	1.1
-11/-13	.0	.0	1.1	.0	1	.0	1.1
TOTAL	1	29	55	10	95	4	91
PCT	1.1	30.5	57.9	10.5	100.0	4.2	95.8

PERIOD: (OVER-ALL) 1968-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.2	.0	.0	.0	.0	2.2
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
†OT PCT	.0	2.2	.0	.0	.0	.0	2.2

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	6.5	.0	.0	.0	.0	6.5
5-6	.0	.0	2.2	.0	.0	.0	2.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
†OT PCT	.0	6.5	2.2	.0	.0	.0	8.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	4.3	.0	.0	.0	.0	4.3
1-2	.0	10.3	18.9	.0	.0	.0	29.8
3-4	.0	6.5	9.8	3.8	.0	.0	20.1
5-6	.0	.0	3.4	.0	.0	.0	5.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
†OT PCT	.0	21.2	33.7	3.8	.0	.0	58.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	6.5	.0	.0	.0	.0	6.5
1-2	.0	7.1	5.4	.0	.0	.0	12.5
3-4	.0	.0	1.1	.5	.0	.0	1.6
5-6	.0	.0	1.1	.0	.0	.0	1.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
†OT PCT	.0	13.6	7.6	.5	.0	.0	21.7

PERIOD: (OVER-ALL) 1968-1977 AREA 0003 CANTON AND PHOENIX ISLS, 3.0S 171.7W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	91.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	8.7	13.0	.0	.0	.0	.0	21.7	
1-2	.0	17.4	23.9	.0	.0	.0	41.3	
3-4	.0	13.0	10.9	4.3	.0	.0	28.3	
5-6	.0	.0	8.7	.0	.0	.0	8.7	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								46
TOT PCT	8.7	43.5	43.5	4.3	.0	.0	100.0	

PERIOD: (OVER-ALL) 1953-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.9	8.2	16.4	13.1	6.6	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	32	4
6-7	.0	4.9	8.2	6.6	4.9	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	4
8-9	.0	1.6	1.6	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5
10-11	.0	.0	.0	6.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	5
12-13	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	10
>13	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	0
TOTAL	5	9	16	17	10	3	1	0	0	0	0	0	0	0	0	0	0	0	0	61	4
PCT	8.2	14.8	26.2	27.9	16.4	4.9	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1928-1977
(OVER-ALL) 1887-1977

AREA 0003 CANTON AND PHOENIX ISLS.
2.8S 171.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	1.8	.0	.0	.0	.0	.0	.0	1.8	.0	.0	7.1	.0	.0	.0	.0	91.2
SE	1.2	4.9	.0	.0	.0	.0	.0	6.1	.0	.0	9.8	.0	.0	.0	.0	84.1
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	1.1	1.1	.0	.0	.0	.0	.0	2.3	.0	.0	5.7	.0	.0	.0	.0	92.0
TOT OBS	87															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	4.6	.0	.0	.0	.0	.0	2.2	.0	.0	6.5	.0	.0	.0	.0	91.3
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12&15	3.7	.0	.0	.0	.0	.0	.0	3.7	.0	3.7	11.1	.0	.0	.0	.0	85.2
18&21	12.5	.0	.0	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	.0	87.5
TOT PCT	2.2	1.1	.0	.0	.0	.0	.0	3.4	.0	1.1	6.7	.0	.0	.0	.0	89.9
TOT OBS	89															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.8	.0	.0	.0	.0		.8	5.0	.0	.0	.0	.0	6.7	.0	.0	.0
NE	.8	19.5	7.2	.0	.0	.0		23.5	8.7	33.7	21.9	33.3	.0	21.7	14.6	18.8	.0
E	1.3	22.7	24.3	.0	.0	.0		50.2	10.9	59.8	41.4	33.3	.0	55.0	55.2	58.3	.0
SE	.4	16.1	5.5	.0	.0	.0		22.0	8.9	6.7	36.7	33.3	.0	16.7	21.9	14.6	.0
S	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.8	.0	.0	.0	.0	.0		.8	3.0	.0	.0	.0	.0	.0	.0	8.3	.0
W	.8	.0	.0	.0	.0	.0		.8	2.0	.0	.0	.0	.0	.0	4.2	.0	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.7							1.7	.0	3.8	.0	.0	.0	.0	4.2	.0	.0
TOT OBS	7	85	46	0	0	0	118		9.6	26	32	9	0	19	24	12	0
TOT PCT	5.9	55.1	39.0	.0	.0	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.8	.0	.0	.0	.0		.8	5.0	.0	.0	2.6	.0
NE	8.5	15.0	.0	.0	.0		23.5	8.7	27.2	33.3	17.3	18.8
E	7.6	38.6	4.0	.0	.0		50.2	10.9	47.8	33.3	55.1	58.3
SE	5.9	15.9	.2	.0	.0		22.0	8.9	25.3	33.3	19.9	14.6
S	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
SW	.8	.0	.0	.0	.0		.8	3.0	.0	.0	.0	8.3
W	.8	.0	.0	.0	.0		.8	2.0	.0	.0	2.6	.0
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.7						1.7	.0	1.7	.0	2.6	.0
TOT OBS	31	82	5	0	0	118		9.6	58	9	39	12
TOT PCT	26.3	69.5	4.2	.0	.0		100.0		100.0	100.0	100.0	100.0

JUNE

PERIOD: (PRIMARY) 1928-1977
(OVER-ALL) 1887-1977

AREA 0003 CANTON AND PHOENIX ISLS,
2.8S 171.7W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00603	1.7	.0	35.2	43.1	.0	.0	.0	10.1	100.0	58
06609	.0	.0	55.6	44.4	.0	.0	.0	9.2	100.0	9
12615	6.6	10.3	60.1	23.1	.0	.0	.0	8.0	100.0	39
18621	.0	8.3	25.0	66.7	.0	.0	.0	12.3	100.0	12
TOT	2	5	65	46	0	0	0	9.6		118
PCT	1.7	4.2	55.1	39.0	.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	8.7	7.6	5.8	2.3		3.7
E	19.8	17.4	11.6	4.1		3.6
SE	1.7	12.2	3.5	.6		3.8
S	.0	.0	.0	.0		.0
SW	.0	2.3	.0	.0		3.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	2.3	.0		6.0
TOT OBS	13	17	10	3	43	3.7
TOT PCT	30.2	39.5	23.3	7.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	2.3	5.2	.0	.0	.0	.0	.0	10.9	
E	.0	.0	2.3	.0	5.2	.0	.0	.0	.0	.0	45.3	
SE	.0	.0	.0	.0	1.2	.0	.0	.0	.0	.0	16.9	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	2.3	.0	.0	.0	.0	.0	
TOT OBS	0	0	1	1	5	1	0	0	0	0	35	43
TOT PCT	.0	.0	2.3	2.3	11.6	2.3	.0	.0	.0	.0	81.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) • OR >10	• OR >5	• OR >2	• OR >1	• OR >1/2	• OR >1/4	• OR >90YD	• OR >0
• OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
• OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
• OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
• OR >2000	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
• OR >1000	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
• OR >600	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3
• OR >300	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
• OR >150	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
• OR > 0	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
TOTAL	8	8	8	8	8	8	8	8

TOTAL NUMBER OF OBS: 43 PCT FREQ NH <5/8: 81.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
.0	25.0	20.8	27.1	8.3	8.3	8.3	2.1	.0	.0	48

JUNE

PERIOD: (PRIMARY) 1928-1977
(OVER-ALL) 1887-1977

AREA 0003 CANTON AND PHOENIX ISLS.
2.8S 171.7W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	1.1	
	NO PCP	.0	8.6	13.8	9.8	.0	.0	1.1	.0	.0	.0	33.3	
	TOT %	.0	8.6	13.8	10.9	.0	.0	1.1	.0	.0	.0	34.5	
10+	PCP	.0	.0	.9	.3	.0	.0	.0	.0	.0	.0	1.1	
	NO PCP	.0	15.5	34.2	12.4	.0	1.1	.0	.0	.0	1.1	64.4	
	TOT %	.0	15.5	35.1	12.6	.0	1.1	.0	.0	.0	1.1	65.5	
	TOT OBS												87
	TOT PCT	.0	24.1	48.9	23.0	.0	1.1	1.1	.0	.0	1.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.9	.0	.0	.0	.0	.0	.0		1.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	1.1	
5<10	0-3	.0	.0	1.7	.6	.0	.0	1.1	.0	.0	.0	3.4	
	4-10	.0	7.4	8.5	8.0	.0	.0	.0	.0	.0		23.9	
	11-21	.0	1.1	3.4	2.3	.0	.0	.0	.0	.0		6.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	8.5	13.6	10.8	.0	.0	1.1	.0	.0	.0	34.1	
10+	0-3	.0	.0	.0	.0	.0	1.1	.0	.0	.0	1.1	2.3	
	4-10	.0	9.7	12.2	8.8	.0	.0	.0	.0	.0		30.7	
	11-21	.0	5.7	22.4	3.7	.0	.0	.0	.0	.0		31.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	15.3	34.7	12.5	.0	1.1	.0	.0	.0	1.1	64.8	
	TOT OBS												88
	TOT PCT	.0	24.1	49.1	23.3	.0	1.1	1.1	.0	.0	1.1	100.0	

PERIOD: (PRIMARY) 1928-1977
(OVER-ALL) 1887-1977

AREA 0003 CANTON AND PHOENIX ISLS,
2.8S 171.7W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00603	.0	.0	4.3	.0	13.0	4.3	.0	.0	.0	.0	21.7	78.3	23
06609	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	12.5	87.5	8
12615	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	12.5	87.5	8
18621	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	12.5	87.5	8
TOT	0	0	1	1	5	1	0	0	0	0	8	39	47
PCT	.0	.0	2.1	2.1	10.6	2.1	.0	.0	.0	.0	17.0	83.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00603	.0	.0	.0	2.1	29.8	68.1	47
06609	.0	.0	.0	.0	.0	100.0	8
12615	.0	.0	.0	.0	66.7	33.3	27
18621	.0	.0	.0	.0	.0	100.0	8
TOT	0	0	0	1	22	57	90
PCT	.0	.0	.0	1.1	35.6	63.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50VD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	.0	4.8	4.8	19.0	76.2	21
06609	.0	.0	14.3	.0	85.7	7
12615	.0	.0	.0	14.3	85.7	7
18621	.0	.0	.0	12.5	87.5	8
TOT	0	1	2	6	35	43
PCT	.0	2.3	4.7	14.0	81.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
89/89	.0	.0	.0	.0	3.8	10.0	.0	.0	11	13.8
80/84	.0	.0	.0	.0	8.8	30.0	38.8	2.5	64	80.0
79/79	.0	.0	.0	.0	.0	.0	5.0	1.3	5	6.3
TOTAL	0	0	0	0	10	32	35	3	80	100.0
PCT	.0	.0	.0	.0	12.5	40.0	43.8	3.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	2.8	8.1	1.6	.0	.0	.0	.0	.0	1.3
.0	23.8	37.2	16.6	.0	.0	1.3	.0	.0	1.3
1.3	1.6	3.1	.3	.0	.0	.0	.0	.0	.0
1.3	28.1	48.4	18.4	.0	.0	1.3	.0	.0	2.5

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00603	88	87	87	83	80	79	79	83.3	57
06609	86	85	85	82	79	79	79	82.5	8
12615	84	83	83	81	79	79	79	81.2	41
18621	83	82	82	82	79	79	79	81.2	12
TOT	88	87	86	82	79	79	79	82.3	118

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00603	.0	.0	21.6	45.9	32.4	.0	75	37
06609	.0	.0	10.7	33.3	50.0	.0	79	6
12615	.0	.0	3.3	46.7	43.3	6.7	80	30
18621	.0	.0	.0	20.0	70.0	10.0	82	10
TOT	0	0	10	35	35	3	78	83

JUNE

PERIOD: (PRIMARY) 1928-1977
(OVER-ALL) 1887-1977

AREA 0003 CANTON AND PHOENIX ISLS,
2.8S 171.7W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OR PUG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 and below	81 to 84	85 and above	TOT	W PUG	WO PUG
5	.0	.0	1.2	1	.0	1.4
4	.0	1.2	2.4	3	.0	3.6
3	.0	2.4	2.4	4	1.2	3.6
2	1.2	4.8	3.6	8	.0	9.5
1	1.2	9.5	2.4	11	1.2	11.9
0	.0	15.5	2.4	15	1.2	16.7
-1	1.2	15.5	1.2	15	1.2	16.7
-2	3.6	10.7	.0	12	2.4	11.9
-3	4.8	6.0	.0	9	.0	10.7
-4	2.4	1.2	.0	3	.0	3.6
-5	1.2	2.4	.0	3	.0	3.6
TOTAL	13		13	84	6	78
		38				
PCT	15.5	69.0	15.5	100.0	7.1	92.9

PERIOD: (OVER-ALL) 1968-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.8	.0	.0	.0	.0	.8
3-4	.0	9.2	8.3	.0	.0	.0	12.5
5-6	.0	3.3	.0	.0	.0	.0	3.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.8	.0	.0	.0	.8
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	8.3	9.2	.0	.0	.0	17.5

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.5	.0	.0	.0	.0	2.5
1-2	.0	5.8	9.2	.0	.0	.0	15.0
3-4	.0	12.5	26.7	.0	.0	.0	39.2
5-6	.0	.0	2.5	.0	.0	.0	2.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	2.5	.0	.0	.0	2.5
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	2.5	.0	.0	.0	2.5
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	20.8	43.3	.0	.0	.0	64.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.8	.0	.0	.0	.0	.8
1-2	.0	10.0	.8	.0	.0	.0	10.8
3-4	.0	.0	1.7	.0	.0	.0	1.7
5-6	.0	.0	.8	.0	.0	.0	.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.8	.0	.0	.0	.8
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.8	4.2	.0	.0	.0	15.0

PERIOD: (OVER-ALL) 1963-1977 JUNE AREA 0003 CANTON AND PHOENIX ISLS. 2.8S 171.7W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	3.3	.0	.0	.0	.0	.0	3.3
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	3.3	.0	.0	.0	.0	.0	3.3

	N							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	3.3	.0	.0	.0	.0	3.3	
1-2	3.3	16.7	10.0	.0	.0	.0	30.0	
3-4	.0	16.7	36.7	.0	.0	.0	53.3	
5-6	.0	3.3	3.3	.0	.0	.0	6.7	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	3.3	.0	.0	.0	3.3	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	3.3	.0	.0	.0	3.3	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								30
TOT PCT	3.3	40.0	56.7	.0	.0	.0	100.0	

PERIOD: (OVER-ALL) 1956-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	9.8	19.5	2.4	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	3
6-7	2.4	9.8	4.9	9.8	9.8	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	5
8-9	.0	2.4	2.4	7.3	2.4	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	5
10-11	.0	.0	.0	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	1	20
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
TOTAL	1	9	11	8	9	1	1	0	0	0	1	0	0	0	0	0	0	0	0	41	9
PCT	2.4	22.0	26.8	19.5	22.0	2.4	2.4	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1889-1977

AREA 0003 CANTON AND PHOENIX ISLS.
2.9S 171.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLNG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	3.8	1.9	1.0	.0	.0	.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0	93.3
E	.0	.9	1.4	.0	.0	.0	.0	2.3	.0	1.9	10.2	.0	.0	.0	.0	85.6
SE	.0	9.8	.0	.0	.0	.0	.0	4.8	.0	.0	7.2	.0	.0	.0	.0	88.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.9	1.9	.9	.0	.0	.0	.0	3.8	.0	1.9	6.6	.0	.0	.0	.0	87.7
TOT OBS:	106															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLNG BLWG	DUST SNOW	NO SIG WEA
00603	.0	2.2	.0	.0	.0	.0	.0	2.2	.0	.0	10.9	.0	.0	.0	.0	87.0
06609	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12615	.0	3.0	3.0	.0	.0	.0	.0	6.1	.0	6.1	6.1	.0	.0	.0	.0	81.8
18621	6.3	.0	.0	.0	.0	.0	.0	6.3	.0	.0	.0	.0	.0	.0	.0	93.8
TOT PCT	.9	1.9	.9	.0	.0	.0	.0	3.8	.0	1.9	6.6	.0	.0	.0	.0	87.7
TOT OBS:	106															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.4	.7	.0	.0	.0		1.1	11.0	4.0	1.3	.0	.0	.0	.0	.0	.0
NE	.7	16.1	5.8	.0	.0	.0		22.6	8.8	24.0	15.4	25.0	.0	36.5	15.8	23.5	.0
E	2.7	27.4	24.1	.7	.0	.0		54.9	10.8	52.0	60.3	51.9	.0	35.4	61.8	69.1	.0
SE	.2	8.0	10.2	.0	.0	.0		18.4	11.1	20.0	23.1	23.1	.0	17.7	14.5	7.4	.0
S	.0	1.5	.0	.0	.0	.0		1.5	6.1	.0	.0	.0	.0	6.3	2.6	.0	.0
SW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.7	.0	.0	.0	.0		.7	9.0	.0	.0	.0	.0	.0	5.3	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.7							.7	.0	.0	.0	.0	.0	4.2	.0	.0	.0
TOT OBS	6	74	56	1	0	0	137		10.2	25	39	13	0	24	19	17	0
TOT PCT	4.4	54.0	40.9	.7	.0	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.4	.7	.0	.0	.0		1.1	11.0	2.3	.0	.0	.0
NE	7.3	15.1	.0	.0	.0		22.6	8.8	18.8	25.0	27.3	23.5
E	8.9	39.6	6.4	.0	.0		54.9	10.8	57.0	51.9	47.1	69.1
SE	4.9	11.1	2.4	.0	.0		18.4	11.1	21.9	23.1	16.3	7.4
S	.9	.5	.0	.0	.0		1.5	6.1	.0	.0	4.7	.0
SW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NW	.0	.7	.0	.0	.0		.7	9.0	.0	.0	2.3	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.7						.7	.0	.0	.0	2.3	.0
TOT OBS	32	93	12	0	0	137		10.2	64	13	43	17
TOT PCT	23.4	67.9	8.8	.0	.0		100.0		100.0	100.0	100.0	100.0

JULY

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1889-1977

AREA 0003 CANTON AND PHOENIX ISLS, 2.9S 171.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	4.7	43.8	50.0	1.6	.0	.0	11.1	100.0	64
06&09	.0	.0	38.5	61.5	.0	.0	.0	12.1	100.0	13
12&15	4.3	4.7	67.4	25.6	.0	.0	.0	8.6	100.0	43
18&21	.0	.0	70.6	29.4	.0	.0	.0	9.9	100.0	17
TOT	1	5	74	56	1	0	0	10.2		137
PCT	.7	3.6	54.0	40.9	.7	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	1.8	.0	.0		4.0
NE	3.1	4.4	16.7	3.9		5.1
E	10.5	16.2	18.4	3.9		4.2
SE	7.9	2.2	8.8	.0		3.7
S	1.3	.0	.0	.0		.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	1.8	.0	.0		4.0
TOT OBS	13	15	25	4	57	4.3
TOT PCT	22.8	26.3	43.9	7.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	
NE	.0	.0	.0	7.0	4.4	.0	.0	.0	.0	.0	16.2	
E	.0	.0	1.8	3.1	9.7	1.8	.0	.0	.0	.0	36.4	
SE	.0	.0	.0	.4	.4	.0	3.5	.0	.0	.0	14.5	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	
TOT OBS	0	0	1	4	6	1	2	0	0	0	41	57
TOT PCT	.0	.0	1.8	10.5	10.5	1.8	3.5	.0	.0	.0	71.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >90YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	1.8	1.8	3.5	3.5	3.5	3.5	3.5	3.5
* OR >2000	3.5	3.5	5.3	5.3	5.3	5.3	5.3	5.3
* OR >1000	14.0	14.0	15.8	15.8	15.8	15.8	15.8	15.8
* OR >600	24.6	24.6	26.3	26.3	26.3	26.3	26.3	26.3
* OR >300	26.3	26.3	28.1	28.1	28.1	28.1	28.1	28.1
* OR >150	26.3	26.3	28.1	28.1	28.1	28.1	28.1	28.1
* OR > 0	26.3	26.3	28.1	28.1	28.1	28.1	28.1	28.1
TOTAL	15	15	16	16	16	16	16	16

TOTAL NUMBER OF OBS: 57 PCT FREQ NH <5/8: 71.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
8.5	10.2	15.3	15.3	23.7	10.2	8.5	6.8	1.7	.0	59

JULY

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1889-1977

AREA 0003 CANTON AND PHOENIX ISLS.
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	1.9	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	1.9	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.5	7.4	17.6	4.3	.5	.0	.0	1.0	.0	.0	31.4	
	TOT %	.5	7.4	17.6	4.3	.5	.0	.0	1.0	.0	.0	31.4	
10+	PCP	.0	.7	1.2	.0	.0	.0	.0	.0	.0	.0	1.9	
	NO PCP	1.0	15.5	32.4	14.3	.7	.0	.0	.0	.0	1.0	64.8	
	TOT %	1.0	16.2	33.6	14.3	.7	.0	.0	.0	.0	1.0	66.7	
	TOT OBS												105
	TOT PCT	1.4	24.8	51.2	19.5	1.2	.0	.0	1.0	.0	1.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.9	.0	.0	.0	.0	.0	.0	.0		.9	
	11-21	.0	1.4	4.1	.9	.0	.0	.0	.0	.0		6.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	2.3	4.1	.9	.0	.0	.0	.0	.0	.0	7.2	
5<10	0-3	.0	.5	1.4	.0	.0	.0	.0	.0	.0	.0	1.8	
	4-10	.5	5.0	7.7	.9	.5	.0	.0	.9	.0		15.3	
	11-21	.0	1.8	6.8	3.2	.0	.0	.0	.0	.0		11.7	
	22+	.0	.0	.9	.0	.0	.0	.0	.0	.0		.9	
	TOT %	.5	7.2	16.7	4.1	.5	.0	.0	.9	.0	.0	29.7	
10+	0-3	.0	.5	1.1	.2	.0	.0	.0	.0	.0	.9	2.7	
	4-10	.0	10.8	19.8	6.5	.7	.0	.0	.0	.0		37.8	
	11-21	.9	4.1	10.8	6.8	.0	.0	.0	.0	.0		22.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.9	15.3	31.8	13.5	.7	.0	.0	.0	.0	.9	63.1	
	TOT OBS												111
	TOT PCT	1.4	24.8	52.5	18.5	1.1	.0	.0	.9	.0	.9	100.0	

JULY

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1889-1977

TABLE 10

AREA 000; CANTON AND PHOENIX ISLS.
2.95 171.6W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	11.8	11.8	.0	5.9	.0	.0	.0	29.4	70.6	17
06&09	.0	.0	.0	18.2	9.1	.0	9.1	.0	.0	.0	36.4	63.6	11
12&15	.0	.0	6.3	12.5	6.3	6.3	.0	.0	.0	.0	31.3	68.8	16
18&21	.0	.0	.0	.0	13.3	.0	.0	.0	.0	.0	13.3	86.7	15
TOT	0	0	1	6	6	1	2	0	0	0	16	43	59
PCT	.0	.0	1.7	10.2	10.2	1.7	3.4	.0	.0	.0	27.1	72.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	13.5	38.5	48.1	52
06&09	.0	.0	.0	.0	18.2	81.8	11
12&15	.0	.0	.0	.0	34.4	65.6	32
18&21	.0	.0	.0	6.3	.0	93.8	16
TOT	0	0	0	8	33	70	111
PCT	.0	.0	.0	7.2	29.7	63.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	18.8	12.5	68.8	16
06&09	.0	.0	18.2	18.2	63.6	11
12&15	.0	6.7	20.0	13.3	66.7	15
18&21	.0	.0	6.7	13.3	80.0	15
TOT	0	1	9	8	40	57
PCT	.0	1.8	15.8	14.0	70.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	3.5	8.1	3.5	1.2	14	16.3
80/84	.0	.0	.0	.0	3.5	34.9	34.9	5.8	68	79.1
75/79	.0	.0	.0	.0	.0	1.2	.0	3.5	4	4.7
TOTAL	0	0	0	0	6	38	33	9	86	100.0
PCT	.0	.0	.0	.0	7.0	44.2	38.4	10.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	3.8	9.9	2.6	.0	.0	.0	.0	.0	.0
1.2	18.0	45.3	11.9	1.5	.0	.0	.0	.0	1.2
.0	1.5	.9	1.5	.9	.0	.0	.0	.0	.0
1.2	23.3	56.1	16.0	2.3	.0	.0	.0	.0	1.2

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	88	87	86	83	79	77	77	83.0	63
06&09	87	86	86	81	80	80	80	82.0	13
12&15	84	83	83	82	80	79	79	81.5	42
18&21	84	83	83	81	77	77	77	81.1	16
TOT	88	87	86	82	79	77	77	82.2	134

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	10.7	46.4	28.6	14.3	78	28
06&09	.0	.0	.0	61.5	30.8	7.7	81	13
12&15	.0	.0	6.5	48.4	38.7	6.5	79	31
18&21	.0	.0	7.1	14.3	64.3	14.3	82	14
TOT	0	0	6	38	33	9	80	86

JULY

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1889-1977

AREA 0003 CANTON AND PHOENIX ISLS.
2.9S 171.6W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	TOT	W FOG	WO FOG
9/10	.0	.0	1.1	1	.0	1.1
4	.0	.0	1.1	1	.0	1.1
3	.0	1.1	2.1	3	.0	3.2
2	.0	.0	4.3	4	1.1	3.2
1	3.2	6.4	4.3	13	2.1	11.7
0	1.1	20.2	1.1	21	2.1	20.2
-1	2.1	14.9	.0	16	.0	17.0
-2	2.1	13.8	.0	15	.0	16.0
-3	5.3	5.3	.0	10	1.1	9.6
-4	2.1	1.1	.0	3	.0	3.2
-5	2.1	1.1	.0	3	.0	3.2
-6	1.1	1.1	.0	2	.0	2.1
-7/-8	1.1	.0	.0	1	.0	1.1
-9/-10	1.1	.0	.0	1	.0	1.1
TOTAL	20	61	13	94	6	88
PCT	21.3	64.9	13.8	100.0	6.4	93.6

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	2.2	.0	.0	.0	2.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	2.2	.0	.0	.0	2.2

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	12.2	2.2	.0	.0	.0	14.4
1-2	.0	5.0	2.2	.0	.0	.0	7.2
3-4	.0	.6	7.2	.0	.0	.0	7.8
5-6	.0	.6	.6	.0	.0	.0	1.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	18.3	12.2	.0	.0	.0	30.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	10.0	.0	.0	.0	.0	10.0
1-2	1.7	8.3	4.4	.0	.0	.0	14.4
3-4	.0	9.4	7.8	.0	.0	.0	17.2
5-6	.0	3.3	1.7	.0	.0	.0	5.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	2.2	.0	.0	.0	2.2
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.7	31.1	16.1	.0	.0	.0	48.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.2	.0	.0	.0	.0	2.2
1-2	.6	.0	.0	.0	.0	.0	.6
3-4	.0	3.9	5.0	.0	.0	.0	8.9
5-6	.0	2.8	2.2	.0	.0	.0	5.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	8.9	7.2	.0	.0	.0	16.7

PERIOD: (OVER-ALL) 1966-1977 JULY AREA 0003 CANTON AND PHOENIX ISLS, 2.9S 171.6W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	1.7	.0	.0	.0	.0	1.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.7	.0	.0	.0	.0	1.7

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	24.4	2.2	.0	.0	.0	26.7	
1-2	2.2	13.3	6.7	.0	.0	.0	22.2	
3-4	.0	15.6	20.0	.0	.0	.0	35.6	
5-6	.0	6.7	6.7	.0	.0	.0	13.3	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	2.2	.0	.0	.0	2.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.2	60.0	37.8	.0	.0	.0	100.0	45

PERIOD: (OVER-ALL) 1950-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	15.7	13.7	15.7	7.8	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	29	2
6-7	.0	7.8	3.9	3.9	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	4
8-9	.0	3.9	.0	2.0	2.0	3.9	2.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	7
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	1	20
>13	.0	.0	.0	.0	2.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	8
INDET	.0	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
TOTAL	8	13	10	7	6	4	1	0	1	0	1	0	0	0	0	0	0	0	0	51	4
PCT	15.7	25.5	19.6	13.7	11.8	7.8	2.0	.0	2.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1925-1977
(OVER-ALL) 1877-1977

AREA 0003 CANTON AND PHOENIX ISLS, 3.0S 171.8W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.5	.0	.0		.0	90.5
E	3.5	9.7	.0	.0	.0	.0	.0	8.1	2.9	.0	5.8	.0	.0		.0	83.7
SE	3.2	.0	.0	.0	.0	.0	.0	3.2	.0	.0	3.2	.0	.0		.0	93.5
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	2.9	6.9	.0	.0	.0	.0	.0	5.7	1.4	.0	5.7	.0	.0		.0	87.1
TOT OBS:	70															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00-03	3.1	3.1	.0	.0	.0	.0	.0	6.3	.0	.0	9.4	.0	.0		.0	84.4
04-09	.0	.0	.0	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0		.0	83.3
12-15	4.3	4.3	.0	.0	.0	.0	.0	8.7	.0	.0	4.3	.0	.0		.0	87.0
18-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	2.9	4.9	.0	.0	.0	.0	.0	5.7	1.4	.0	5.7	.0	.0		.0	87.1
TOT OBS:	70															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	4.6	9.1	.0	.0	.0		13.7	12.7	21.9	19.5	18.8	.0	14.3	7.6	.0	.0
E	1.1	29.6	30.6	1.6	.0	.0		62.9	10.9	62.5	69.0	68.8	.0	57.1	63.0	56.3	.0
SE	1.1	8.9	11.8	.5	.0	.0		22.3	11.2	15.6	19.7	12.5	.0	28.6	29.3	39.4	.0
S	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.1							1.1	.0	.0	.0	.0	.0	.0	.0	6.3	.0
TOT OBS	3	40	48	2	0	0	93		11.1	8	89	8	0	7	23	12	0
TOT PCT	3.2	43.0	51.6	2.2	.0	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NE	.0	10.8	3.0	.0	.0		13.7	12.7	19.8	18.8	9.2	.0
E	9.7	47.8	5.4	.0	.0		62.9	10.9	64.5	68.8	61.7	56.3
SE	4.3	14.5	3.5	.0	.0		22.3	11.2	15.7	12.5	29.2	39.4
S	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.1						1.1	.0	.0	.0	.0	6.3
TOT OBS	14	68	11	0	0	93		11.1	43	8	36	12
TOT PCT	15.1	73.1	11.8	.0	.0		100.0		100.0	100.0	100.0	100.0

AUGUST

PERIOD: (PRIMARY) 1925-1977
(OVER-ALL) 1877-1977

AREA 0003 CANTON AND PHOENIX ISLS.
3.0S 171.8W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	37.2	60.5	2.3	.0	.0	11.8	100.0	43
06&09	.0	.0	50.0	50.0	.0	.0	.0	10.6	100.0	8
12&15	.0	6.7	50.0	43.3	.0	.0	.0	10.3	100.0	30
18&21	8.3	.0	41.7	41.7	8.3	.0	.0	11.0	100.0	12
TOT	1	2	40	48	2	0	0	11.1		93
PCT	1.1	2.2	43.0	51.6	2.2	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	4.5	10.2	1.1	.0		2.8
E	18.2	20.5	12.5	9.1		3.7
SE	9.1	1.1	9.1	.0		3.4
S	.0	.0	.0	.0		.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	4.5	.0	.0		4.0
TOT OBS	7	8	5	2	22	3.5
TOT PCT	31.8	36.4	22.7	9.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000-149	150-299	300-599	600-999	1000-1999	2000-3499	3500-4999	5000-6499	6500-7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	14.8	
E	.0	.0	4.5	.0	3.4	.0	4.5	.0	.0	.0	47.7	
SE	.0	.0	.0	4.5	.0	.0	.0	.0	.0	.0	14.8	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	
TOT OBS	0	0	1	1	1	0	1	0	0	0	18	22
TOT PCT	.0	.0	4.5	4.5	4.5	.0	4.5	.0	.0	.0	81.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
* OR >2000	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
* OR >1000	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
* OR >600	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
* OR >300	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
* OR >150	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
* OR > 0	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
TOTAL	4	4	4	4	4	4	4	4

TOTAL NUMBER OF OBS: 22 PCT FREQ NH <5/8: 81.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.3	16.7	23.3	26.7	10.0	13.3	.0	3.3	3.3	.0	30

AUGUST

PERIOD: (PRIMARY) 1929-1977
(OVER-ALL) 1877-1977

AREA 0003 CANTON AND PHOENIX ISLS. 3.0S 171.8W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	2.1	.7	.0	.0	.0	.0	.0	.0	2.9	
	NO PCP	.0	7.9	14.3	9.3	.0	.0	.0	.0	.0	.0	31.4	
	TOT %	.0	7.9	16.4	10.0	.0	.0	.0	.0	.0	.0	34.3	
10+	PCP	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	2.9	
	NO PCP	.0	7.1	42.1	12.1	.0	.0	.0	.0	.0	1.4	62.9	
	TOT %	.0	7.1	45.0	12.1	.0	.0	.0	.0	.0	1.4	65.7	
	TOT OBS												70
	TOT PCT	.0	15.0	61.4	22.1	.0	.0	.0	.0	.0	1.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	3.5	7.0	2.1	.0	.0	.0	.0	.0		12.7	
	11-21	.0	4.2	9.2	7.7	.0	.0	.0	.0	.0		21.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	7.7	16.2	9.9	.0	.0	.0	.0	.0	.0	33.8	
10+	0-3	.0	.0	1.4	.0	.0	.0	.0	.0	.0	1.4	2.8	
	4-10	.0	2.1	25.0	6.7	.0	.0	.0	.0	.0		33.8	
	11-21	.0	5.6	16.5	4.6	.0	.0	.0	.0	.0		26.8	
	22+	.0	.0	2.1	.7	.0	.0	.0	.0	.0		2.8	
	TOT %	.0	7.7	45.1	12.0	.0	.0	.0	.0	.0	1.4	66.2	
	TOT OBS												71
	TOT PCT	.0	15.5	61.3	21.8	.0	.0	.0	.0	.0	1.4	100.0	

AUGUST

PERIOD: (PRIMARY) 1925-1977
(OVER-ALL) 1877-1977

TABLE 10

AREA 0003 CANTON AND PHOENIX ISLS.
3.0S 171.8W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	16.7	.0	16.7	.0	.0	.0	33.3	66.7	6
06&09	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0	20.0	80.0	5
12&15	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	12.5	87.5	8
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	9
TOT	0	0	1	1	1	0	1	0	0	0	4	24	28
PCT	.0	.0	3.6	3.6	3.6	.0	3.6	.0	.0	.0	14.3	85.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	42.4	57.6	33
06&09	.0	.0	.0	.0	.0	100.0	6
12&15	.0	.0	.0	.0	43.5	56.5	23
18&21	.0	.0	.0	.0	.0	100.0	9
TOT	0	0	0	0	24	47	71
PCT	.0	.0	.0	.0	33.8	66.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	50.0	50.0	4
06&09	.0	33.3	33.3	.0	66.7	3
12&15	.0	.0	16.7	.0	83.3	6
18&21	.0	.0	.0	.0	100.0	9
TOT	0	1	2	2	18	22
PCT	.0	4.5	9.1	9.1	81.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
88/89	.0	.0	.0	.0	1.6	4.9	.0	.0	4	6.6
80/84	.0	.0	.0	.0	6.6	42.6	37.7	.0	53	86.9
75/79	.0	.0	.0	.0	.0	.0	.0	6.6	4	6.6
TOTAL	0	0	0	0	5	29	23	4	61	100.0
PCT	.0	.0	.0	.0	8.2	47.5	37.7	6.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	1.2	4.5	.8	.0	.0	.0	.0	.0	.0
.0	8.2	58.6	20.1	.0	.0	.0	.0	.0	.0
.0	.0	6.6	.0	.0	.0	.0	.0	.0	.0
.0	9.4	69.7	20.9	.0	.0	.0	.0	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	91	90	88	83	81	79	79	83.2	42
06&09	86	85	85	82	77	77	77	81.7	7
12&15	86	85	83	81	76	76	76	81.1	29
18&21	83	82	82	82	80	80	80	81.7	11
TOT	91	88	87	82	79	75	75	82.2	89

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	9.5	57.1	28.6	4.8	77	21
06&09	.0	.0	14.7	66.7	.0	16.7	76	6
12&15	.0	.0	.0	36.0	56.0	8.0	82	25
18&21	.0	.0	22.2	44.4	33.3	.0	78	9
TOT	0	0	5	29	23	4	79	61

AUGUST

PERIOD: (PRIMARY) 1925-1977
(OVER-ALL) 1877-1977

AREA 0003 CANTON AND PHOENIX ISLS.
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
5	.0	.0	.0	1.9	1	.0	1.9
4	.0	.0	.0	1.9	1	.0	1.9
3	.0	.0	1.9	1.9	2	.0	3.7
2	.0	.0	1.9	1.9	2	1.9	1.9
1	.0	.0	14.8	1.9	9	1.9	14.8
0	.0	1.9	20.4	1.9	13	.0	24.1
-1	.0	3.7	14.8	1.9	11	1.9	18.5
-2	.0	7.4	3.6	.0	7	1.9	11.1
-3	.0	5.6	3.7	.0	5	.0	9.3
-5	.0	.0	1.9	.0	1	.0	1.9
-6	3.7	.0	.0	.0	2	.0	3.7
TOTAL	2	10	35	7	54	4	50
PCT	3.7	18.5	64.8	13.0	100.0	7.4	92.6

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	13.2	.0	.0	.0	13.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	13.2	.0	.0	.0	13.2

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	22.1	5.9	.0	.0	.0	27.9
3-4	.0	11.8	4.4	.0	.0	.0	16.2
5-6	.0	5.9	.0	.0	.0	.0	5.9
7	.0	.0	10.3	.0	.0	.0	10.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	39.7	20.6	.0	.0	.0	60.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	7.4	.0	.0	.0	.0	7.4
3-4	.0	3.9	.0	.0	.0	.0	3.9
5-6	.0	3.9	3.9	.0	.0	.0	11.8
7	.0	.0	1.5	.0	.0	.0	1.5
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	19.1	7.4	.0	.0	.0	26.5

PERIOD: (OVER-ALL) 1968-1977 AUGUST AREA 0003 CANTON AND PHOENIX ISLS. 3.0S 171.8W

TABLE 1B (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	29.4	5.9	.0	.0	.0	35.3	
3-4	.0	17.6	17.6	.0	.0	.0	35.3	
5-6	.0	11.8	5.9	.0	.0	.0	17.6	
7	.0	.0	11.8	.0	.0	.0	11.8	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	58.8	41.2	.0	.0	.0	100.0	17

PERIOD: (OVER-ALL) 1968-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	10.0	10.0	10.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	4
6-7	.0	.0	.0	10.0	15.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	7
8-9	.0	.0	10.0	5.0	5.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5
10-11	.0	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDEF	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
TOTAL	0	2	4	5	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	20	5
PCT	.0	10.0	20.0	25.0	30.0	15.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NE	.0	4.4	.0	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0		.0	97.6
E	.0	4.1	.0	.0	.0	.0	.0	4.1	.0	.0	2.0	.0	.0		.0	93.9
SE	.0	2.7	.0	.0	.0	.0	.0	2.7	.0	.0	.0	.0	5.5		.0	91.8
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	.0	3.1	.0	.0	.0	.0	.0	3.1	.0	.0	1.0	.0	1.0		.0	94.8
TOT OBS:	96															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	.0	4.9	.0	.0	.0	.0	.0	4.9	.0	.0	.0	.0	.0		.0	95.1
06609	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
12615	.0	3.8	.0	.0	.0	.0	.0	3.8	.0	.0	3.8	.0	3.8		.0	88.5
18621	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	.0	3.1	.0	.0	.0	.0	.0	3.1	.0	.0	1.0	.0	1.0		.0	94.8
TOT OBS:	97															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.8	.0	.0	.0	.0		.8	5.0	.0	.0	.0	.0	4.5	.0	.0	.0
NE	.8	12.3	7.7	.0	.0	.0		20.8	10.4	18.5	16.0	20.8	.0	26.1	26.8	19.4	.0
E	2.1	17.5	30.2	4.6	.0	.0		54.4	13.3	53.3	62.0	66.7	.0	50.0	39.3	50.0	.0
SE	3.1	7.9	5.4	.4	.0	.0		16.9	9.3	16.3	17.0	12.5	.0	14.8	23.2	19.4	.0
S	1.5	.6	.0	.0	.0	.0		2.1	4.4	3.3	5.0	.0	.0	.0	3.6	.0	.0
SW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.0							5.0	.0	8.7	.0	.0	.0	4.5	7.1	11.1	.0
TOT OBS	15	47	52	6	0	0	120		11.1	23	25	18	0	22	14	18	0
TOT PCT	12.5	39.2	43.3	5.0	.0	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.8	.0	.0	.0	.0		.8	5.0	.0	.0	2.8	.0
NE	4.8	13.1	2.9	.0	.0		20.8	10.4	17.2	20.8	26.4	19.4
E	5.4	31.5	17.5	.0	.0		54.4	13.3	57.8	66.7	45.8	50.0
SE	5.0	9.8	2.1	.0	.0		16.9	9.3	16.7	12.5	18.1	19.4
S	1.5	.6	.0	.0	.0		2.1	4.4	4.2	.0	1.4	.0
SW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	5.0						5.0	.0	4.2	.0	5.6	11.1
TOT OBS	27	66	27	0	0	120		11.1	48	18	36	18
TOT PCT	22.5	55.0	22.5	.0	.0		100.0		100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00603	9.2	10.4	37.5	43.8	4.2	.0	.0	10.9	100.0	48
0660Y	.0	.0	38.9	55.6	5.6	.0	.0	13.0	100.0	18
12615	5.6	11.1	52.8	27.8	2.8	.0	.0	9.1	100.0	36
18621	11.1	.0	16.7	61.1	11.1	.0	.0	13.8	100.0	18
TOT	6	9	47	52	6	0	0	11.1		120
PCT	5.0	7.5	39.2	43.3	5.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	10.6	2.8	10.0	.0		3.1
E	22.2	14.4	7.8	.0		2.8
SE	11.7	7.8	2.2	.0		2.0
S	.0	1.7	.0	.0		4.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	6.7	2.2	.0	.0		1.7
TOT OBS	23	13	9	0	45	2.6
TOT PCT	51.1	28.9	20.0	.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	4.4	2.2	.0	.0	.0	.0	16.7	
E	.0	.0	.0	.0	2.2	2.2	.0	.0	.0	.0	40.0	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21.7	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.9	
TOT OBS	0	0	0	0	3	2	0	0	0	0	40	45
TOT PCT	.0	.0	.0	.0	6.7	4.4	.0	.0	.0	.0	88.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
* OR >1000	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
* OR >600	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
* OR >300	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
* OR >150	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
* OR > 0	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
TOTAL	5	5	5	5	5	5	5	5

TOTAL NUMBER OF OBS: 46 PCT FREQ NH <5/8: 89.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
7.0	22.5	19.7	23.9	14.1	8.5	4.2	.0	.0	71

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.5	.5	.0	.0	.0	.0	.0	.0	.0	1.0	
	NO PCP	.0	3.1	5.7	4.2	.5	.0	.0	.0	.0	1.0	14.6	
	TOT %	.0	3.6	6.3	4.2	.5	.0	.0	.0	.0	1.0	15.6	
10+	PCP	.0	.0	1.6	.5	.0	.0	.0	.0	.0	.0	2.1	
	NO PCP	1.0	18.2	43.2	14.3	1.3	.0	.0	.0	.0	4.2	82.3	
	TOT %	1.0	18.2	44.8	14.8	1.3	.0	.0	.0	.0	4.2	84.4	
	TOT OBS												96
	TOT PCT	1.0	21.9	51.0	19.0	1.8	.0	.0	.0	.0	5.2	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.5	2.0	.5	.0	.0	.0	.0	1.0	4.0	
	4-10	.0	3.5	2.5	1.0	.0	.0	.0	.0	.0		7.1	
	11-21	.0	1.0	3.0	1.0	.0	.0	.0	.0	.0		5.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	4.5	6.1	4.0	.5	.0	.0	.0	.0	1.0	16.2	
10+	0-3	.0	1.0	1.0	1.5	.5	.0	.0	.0	.0	4.0	8.1	
	4-10	1.0	9.8	9.8	7.8	.8	.0	.0	.0	.0		29.3	
	11-21	.0	6.8	28.8	4.8	.0	.0	.0	.0	.0		40.4	
	22+	.0	.0	5.6	.5	.0	.0	.0	.0	.0		6.1	
	TOT %	1.0	17.7	45.2	14.6	1.3	.0	.0	.0	.0	4.0	83.8	
	TOT OBS												99
	TOT PCT	1.0	22.2	51.3	18.7	1.8	.0	.0	.0	.0	5.1	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	5.0	5.0	.0	.0	.0	.0	10.0	90.0	20
06&09	.0	.0	.0	.0	5.9	.0	.0	.0	.0	.0	5.9	94.1	17
12&15	.0	.0	.0	.0	6.3	6.3	.0	.0	.0	.0	12.5	87.5	16
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	14
TOT	0	0	0	0	3	2	0	0	0	0	5	62	67
PCT	.0	.0	.0	.0	4.5	3.0	.0	.0	.0	.0	7.5	92.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	19.5	80.5	41
06&09	.0	.0	.0	.0	.0	100.0	18
12&15	.0	.0	.0	.0	29.6	70.4	27
18&21	.0	.0	.0	.0	.0	100.0	14
TOT	0	0	0	0	16	84	100
PCT	.0	.0	.0	.0	16.0	84.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	12.5	87.5	16
06&09	.0	.0	.0	8.3	91.7	12
12&15	.0	.0	.0	20.0	80.0	10
18&21	.0	.0	.0	.0	100.0	8
TOT	0	0	0	5	41	46
PCT	.0	.0	.0	10.9	89.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	1.0	1.0	1.0	.0	3	3.1
85/89	.0	.0	.0	.0	2.0	5.1	.0	.0	7	7.1
80/84	.0	.0	.0	.0	10.2	55.1	21.4	.0	85	86.7
75/79	.0	.0	.0	.0	.0	1.0	1.0	1.0	3	3.1
TOTAL	0	0	0	0	13	61	23	1	98	100.0
PCT	.0	.0	.0	.0	13.3	62.2	23.5	1.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	1.0	.0	.0	.0	.0	.0	.0	.0	2.0
.0	4.0	5.1	1.0	.0	.0	.0	.0	.0	.0
.0	17.1	50.8	12.2	2.6	.0	.0	.0	.0	4.1
.0	.0	1.0	2.0	.0	.0	.0	.0	.0	.0
.0	19.1	56.9	15.3	2.6	.0	.0	.0	.0	6.1

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	92	91	90	82	81	81	81	83.3	48
06&09	86	87	87	82	78	78	78	81.9	18
12&15	84	83	83	82	79	78	78	81.3	33
18&21	83	82	82	81	80	80	80	81.2	18
TOT	92	90	86	82	80	78	78	82.2	117

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	23.7	68.4	7.9	.0	73	38
06&09	.0	.0	6.3	68.8	25.0	.0	78	16
12&15	.0	.0	.0	51.7	44.8	3.4	80	29
18&21	.0	.0	18.8	62.5	18.8	.0	76	16
TOT	0	0	13	62	23	1	76	99

SEPTEMBER

PERIOD: (PRIMARY) 1930-1977
(OVER-ALL) 1898-1977

AREA 0003 CANTON AND PHOENIX ISLS.
2.8S 171.7W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
9/10	.0	.0	.0	1.2	1	.0	1.2
7/8	.0	.0	.0	1.2	1	.0	1.2
6	.0	.0	2.3	.0	2	.0	2.3
5	.0	.0	1.2	1.2	2	.0	2.3
4	.0	.0	2.3	.0	2	.0	2.3
3	.0	5.8	.0	.0	5	.0	5.8
2	.0	11.6	.0	.0	10	.0	11.6
1	.0	15.1	.0	.0	13	.0	15.1
0	8.1	8.1	1.2	.0	15	.0	17.4
-1	1.2	8.1	.0	.0	8	1.2	8.1
-2	4.7	12.8	.0	.0	15	.0	17.4
-3	1.2	5.8	1.2	.0	7	.0	8.1
-4	.0	4.7	.0	.0	4	.0	4.7
-5	.0	1.2	.0	.0	1	.0	1.2
TOTAL	13	63	7	3	86	1	85
PCT	15.1	73.3	8.1	3.5	100.0	1.2	98.8

PERIOD: (OVER-ALL) 1968-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	8.7	.0	.0	.0	.0	8.7
3-4	.0	4.3	4.3	.0	.0	.0	8.7
5-6	.0	.0	1.1	.0	.0	.0	1.1
7	.0	.0	4.3	.0	.0	.0	4.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	13.0	9.8	.0	.0	.0	22.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	4.3	.0	.0	.0	.0	.0	4.3
3-4	.0	8.7	4.3	.0	.0	.0	13.0
5-6	.0	.0	15.2	.0	.0	.0	15.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	4.3	.0	.0	.0	4.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	4.3	8.7	23.9	.0	.0	.0	37.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	4.3	.0	.0	.0	4.3
1-2	.0	13.0	.0	.0	.0	.0	13.0
3-4	.0	9.8	4.3	.0	.0	.0	14.1
5-6	.0	.0	5.4	.0	.0	.0	5.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	22.8	14.1	.0	.0	.0	37.0

PERIOD: (OVER-ALL) 1968-1977 SEPTEMBER AREA 0003 CANTON AND PHOENIX ISLS.

TABLE 18 (CONT) 2.8S 171.7W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	3.3	.0	.0	.0	.0	3.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.3	.0	.0	.0	.0	3.3

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.2	.0	4.2	.0	.0	.0	8.3	
1-2	4.2	20.8	.0	.0	.0	.0	25.0	
3-4	.0	25.0	12.5	.0	.0	.0	37.5	
5-6	.0	.0	20.8	.0	.0	.0	20.8	
7	.0	.0	4.2	.0	.0	.0	4.2	
8-9	.0	.0	4.2	.0	.0	.0	4.2	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	8.3	45.8	45.8	.0	.0	.0	100.0	24

PERIOD: (OVER-ALL) 1954-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	3.2	1.6	4.8	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	3
6-7	.0	1.6	.0	9.5	6.3	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	6
8-9	.0	1.6	1.6	1.6	19.0	9.5	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28	7
10-11	.0	1.6	9.5	4.8	1.6	1.6	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	5
12-13	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	1.6	1.6	3.2	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	3
TOTAL	1	6	11	15	19	8	2	0	1	0	0	0	0	0	0	0	0	0	0	63	6
PCT	1.6	9.5	17.5	23.8	30.2	12.7	3.2	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1930-1977
(OVER-ALL) 1883-1977

AREA 0003 CANTON AND PHOENIX ISLS.
2.9S 171.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.8	.0	.0		.0	90.2
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	.0	.0		.0	95.9
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
S	.0	40.0	.0	.0	.0	.0	.0	40.0	.0	.0	20.0	.0	.0		.0	40.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0		.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	.0	1.4	.0	.0	.0	.0	.0	1.4	.0	.0	5.4	.0	.0		.0	93.2
TOT OBS:	74															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	.0	.0		.0	96.8
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
12&15	.0	5.0	.0	.0	.0	.0	.0	5.0	.0	.0	15.0	.0	.0		.0	80.0
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	.0	1.4	.0	.0	.0	.0	.0	1.4	.0	.0	5.4	.0	.0		.0	93.2
TOT OBS:	74															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	5.1	1.0	.0	.0	.0		6.1	8.1	7.1	.0	10.7	.0	.0	8.3	14.3	.0
NE	.0	18.4	6.9	.2	.0	.0		25.5	8.8	28.6	45.0	5.4	.0	25.0	16.7	16.1	.0
E	.0	42.8	21.8	1.7	.0	.0		66.3	11.6	39.3	44.0	55.4	.0	50.0	41.7	53.6	.0
SE	.0	6.6	9.6	.0	.0	.0		16.2	11.8	25.0	7.0	28.6	.0	17.3	13.3	8.9	.0
S	1.0	1.0	1.2	.0	.0	.0		3.2	7.4	.0	.0	.0	.0	.0	15.0	7.1	.0
SW	.0	.0	.7	.0	.0	.0		.7	13.0	.0	.0	.0	.0	.0	5.0	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	1.0	.0	.0	.0	.0		1.0	5.0	.0	4.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.0							1.0	.0	.0	.0	.0	.0	7.7	.0	.0	.0
TOT OBS	2	36	42	2	0	0	102		10.4	21	25	14	0	13	15	14	0
TOT PCT	2.0	54.9	41.2	2.0	.0	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.7	3.4	.0	.0	.0		6.1	8.1	3.3	10.7	4.5	14.3
NE	9.3	15.7	.5	.0	.0		25.5	8.8	37.5	5.4	20.5	16.1
E	4.7	36.0	5.6	.0	.0		46.3	11.6	41.8	55.4	45.5	53.6
SE	1.0	12.5	2.7	.0	.0		16.2	11.8	15.2	28.6	15.2	8.9
S	2.0	1.2	.0	.0	.0		3.2	7.4	.0	.0	8.0	7.1
SW	.0	.7	.0	.0	.0		.7	13.0	.0	.0	2.7	.0
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NW	1.0	.0	.0	.0	.0		1.0	5.0	2.2	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.0						1.0	.0	.0	.0	.0	.0
TOT OBS	22	71	9	0	0	102		10.4	46	14	28	14
TOT PCT	21.6	69.6	8.8	.0	.0		100.0		100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
				WIND SPEED (KNOTS)						
00603	.0	.0	65.2	32.6	2.2	.0	.0	9.6	100.0	46
06609	.0	.0	50.0	50.0	.0	.0	.0	11.5	100.0	14
12615	3.6	3.6	42.9	46.4	3.6	.0	.0	10.8	100.0	28
18621	.0	.0	50.0	50.0	.0	.0	.0	11.2	100.0	14
TOT	1	1	56	42	2	0	0	10.4		102
PCT	1.0	1.0	54.9	41.2	2.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	5.4	.0	.0	.0		1.6
NE	10.3	6.0	1.1	.5		2.9
E	19.6	21.2	9.8	1.6		3.3
SE	6.0	14.1	2.2	.0		3.0
S	.0	.0	.0	.0		.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	2.2	.0	.0		4.0
TOT OBS	19	20	6	1	46	3.1
TOT PCT	41.3	43.5	13.0	2.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	
NE	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	17.4	
E	.0	.0	2.2	.0	1.6	2.2	.0	.0	.0	.0	46.2	
SE	.0	.0	.0	.0	.0	2.2	.0	.0	.0	.0	20.1	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	
TOT OBS	0	0	1	0	1	2	0	0	0	0	42	46
TOT PCT	.0	.0	2.2	.0	2.2	4.3	.0	.0	.0	.0	91.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) • OR >10	• OR >5	• OR >2	• OR >1	• OR >1/2	• OR >1/4	• OR >50YD	• OR >0
• OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
• OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
• OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
• OR >2000	2.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3
• OR >1000	4.3	6.5	6.5	6.5	6.5	6.5	6.5	6.5
• OR >600	4.3	6.5	6.5	6.5	6.5	6.5	6.5	6.5
• OR >300	6.5	8.7	8.7	8.7	8.7	8.7	8.7	8.7
• OR >150	6.5	8.7	8.7	8.7	8.7	8.7	8.7	8.7
• OR > 0	6.5	8.7	8.7	8.7	8.7	8.7	8.7	8.7
TOTAL	3	4	4	4	4	4	4	4

TOTAL NUMBER OF OBS: 46 PCT FREQ NH <5/8: 91.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
4.3	21.7	28.3	20.1	10.9	6.5	2.2	.0	.0	46

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PERIOD: (PRIMARY) 1930-1977
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	1.4	
	NO PCP	.0	5.4	10.1	3.4	.7	.7	.0	1.4	.0	.0	21.6	
	TOT %	.0	5.4	10.1	3.4	2.0	.7	.0	1.4	.0	.0	23.0	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	4.1	15.2	39.5	15.5	1.4	.0	.0	.0	.0	1.4	77.0	
	TOT %	4.1	15.2	39.5	15.5	1.4	.0	.0	.0	.0	1.4	77.0	
	TOT OBS												74
	TOT PCT	4.1	20.6	49.7	18.9	3.4	.7	.0	1.4	.0	1.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	1.3	
	4-10	.0	3.3	7.2	2.6	.0	.0	.0	1.3	.0		14.5	
	11-21	.0	2.0	2.6	.7	.7	.7	.0	.0	.0		6.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	5.3	9.9	3.3	2.0	.7	.0	1.3	.0	.0	22.4	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.3	
	4-10	2.6	11.2	14.5	3.3	1.3	.0	.0	.0	.0		32.9	
	11-21	1.3	4.6	23.0	11.8	.0	.0	.0	.0	.0		40.8	
	22+	.0	.3	2.3	.0	.0	.0	.0	.0	.0		2.6	
	TOT %	3.9	16.1	39.8	15.1	1.3	.0	.0	.0	.0	1.3	77.6	
	TOT OBS												76
	TOT PCT	3.9	21.4	49.7	18.4	3.3	.7	.0	1.3	.0	1.3	100.0	

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PERIOD: (PRIMARY) 1930-1977
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	UNG 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00E03	.0	.0	6.7	.0	6.7	6.7	.0	.0	.0	.0	20.0	80.0	15
06E09	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	10.0	90.0	10
12E15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	10
18E21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	11
TOT	0	0	1	0	1	2	0	0	0	0	4	42	46
PCT	.0	.0	2.2	.0	2.2	4.3	.0	.0	.0	.0	8.7	91.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00E03	.0	.0	.0	.0	25.0	75.0	32
06E09	.0	.0	.0	.0	9.1	90.9	11
12E15	.0	.0	.0	.0	38.1	61.9	21
18E21	.0	.0	.0	.0	.0	100.0	12
TOT	0	0	0	0	17	59	76
PCT	.0	.0	.0	.0	22.4	77.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00E03	.0	6.7	6.7	13.3	80.0	15
06E09	.0	.0	.0	10.0	90.0	10
12E15	.0	.0	.0	.0	100.0	10
18E21	.0	.0	.0	.0	100.0	11
TOT	0	1	1	3	42	46
PCT	.0	2.2	2.2	6.5	91.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	2.8	7.0	.0	.0	7	9.9
80/84	.0	.0	.0	.0	9.9	50.7	12.7	2.8	54	76.1
75/79	.0	.0	.0	.0	.0	8.5	4.2	1.4	10	14.1
TOTAL	0	0	0	0	9	47	12	3	71	100.0
PCT	.0	.0	.0	.0	12.7	66.2	16.9	4.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	1.4	4.2	4.2	.0	.0	.0	.0	.0	.0
6.7	19.7	31.7	12.3	1.8	1.1	.0	1.4	.0	1.4
.0	1.1	8.5	3.2	1.4	.0	.0	.0	.0	.0
6.7	22.2	44.4	19.7	3.2	1.1	.0	1.4	.0	1.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00E03	88	87	86	83	81	80	80	83.3	44
06E09	84	83	83	82	80	80	80	82.1	12
12E15	83	82	82	81	78	78	78	80.6	28
18E21	83	82	82	81	79	79	79	80.7	13
TOT	88	87	86	82	79	78	78	82.0	97

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00E03	.0	.0	28.6	64.3	7.1	.0	72	28
06E09	.0	.0	.0	63.6	27.3	9.1	79	11
12E15	.0	.0	4.5	68.2	22.7	4.5	78	22
18E21	.0	.0	.0	70.0	20.0	10.0	79	10
TOT	0	0	9	47	12	3	76	71

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PERIOD: (PRIMARY) 1930-1977
(OVER-ALL) 1963-1977

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	TOT	W FOG	WO FOG
4	.0	.0	1.5	1	.0	1.5
3	.0	.0	1.5	1	.0	1.5
2	3.0	1.5	1.5	4	.0	6.1
1	.0	10.6	.0	7	1.5	9.1
0	6.1	10.7	3.0	17	1.5	24.2
-1	3.0	12.1	1.5	11	1.5	15.2
-2	9.1	13.2	.0	10	1.5	22.7
-3	.0	1.5	.0	1	.0	1.5
-4	1.5	6.1	.0	5	.0	7.6
-6	1.5	1.5	.0	2	.0	3.0
-14/-16	1.5	.0	.0	1	.0	1.5
TOTAL	17	43	6	66	4	62
PCT	25.8	65.2	9.1	100.0	6.1	93.9

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-88	.0	.0	.0	.0	.0	.0	.0
89+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	4.2	.0	.0	.0	.0	4.2
1-2	.0	1.0	4.2	.0	.0	.0	5.2
3-4	.0	4.2	5.2	1.0	.0	.0	10.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-88	.0	.0	.0	.0	.0	.0	.0
89+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	9.4	9.4	1.0	.0	.0	19.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	11.5	8.3	.0	.0	.0	19.8
3-4	.0	3.1	21.9	3.1	.0	.0	28.1
5-6	.0	.0	4.2	.0	.0	.0	4.2
7	.0	.0	4.2	.0	.0	.0	4.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-88	.0	.0	.0	.0	.0	.0	.0
89+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	14.6	38.5	3.1	.0	.0	56.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	1.0	14.6	.0	.0	.0	15.6
5-6	.0	.0	8.3	.0	.0	.0	8.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-88	.0	.0	.0	.0	.0	.0	.0
89+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.0	22.9	.0	.0	.0	24.0

PERIOD: (OVER-ALL) 1963-1977 OCTOBER AREA 0003 CANTON AND PHOENIX ISLS. 2.9S 171.6W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	4.2	.0	.0	.0	.0	4.2	
1-2	.0	12.5	12.5	.0	.0	.0	25.0	
3-4	.0	8.3	41.7	4.2	.0	.0	54.2	
5-6	.0	.0	12.5	.0	.0	.0	12.5	
7	.0	.0	4.2	.0	.0	.0	4.2	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	25.0	70.8	4.2	.0	.0	100.0	24

PERIOD: (OVER-ALL) 1955-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	5.6	30.6	5.6	8.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	4
6-7	.0	.0	16.7	8.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	4
8-9	.0	.0	.0	5.6	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	6
10-11	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	2.8	2.8	8.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	7
TOTAL	0	2	17	9	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	36	4
PCT	.0	5.6	47.2	25.0	11.1	11.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1926-1977
(OVER-ALL) 1883-1977

AREA 0003 CANTON AND PHOENIX ISLS, 2.9S 171.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	18.2	.0	.0	.0	.0	.0	.0	18.2	.0	.0	.0	.0	.0		.0	81.8
NE	.0	.0	.0	.0	.0	.0	.0	.0	4.9	.0	.0	.0	4.9		.0	90.2
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	.0	.0		.0	95.9
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
W	50.0	.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0		.0	50.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	3.2	.0	.0	.0	.0	.0	.0	3.2	1.6	.0	1.6	.0	1.6		.0	92.1
TOT OBS:	63															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	6.5	.0	.0	.0	.0	.0	.0	6.5	.0	.0	3.2	.0	3.2		.0	87.1
06609	12.5	.0	.0	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0		.0	87.5
12615	.0	.0	.0	.0	.0	.0	.0	.0	5.0	.0	.0	.0	.0		.0	95.0
18621	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	4.4	.0	.0	.0	.0	.0	.0	4.4	1.5	.0	1.5	.0	1.5		.0	91.2
TOT OBS:	68															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.6	7.6	1.2	.0	.0	.0		9.4	7.7	12.5	14.4	12.5	.0	.0	7.1	6.3	.0
NE	4.7	17.4	11.2	.0	.0	.0		33.2	8.6	37.5	37.5	15.6	.0	23.1	32.1	43.8	.0
E	.6	24.7	10.0	1.2	.0	.0		36.5	10.1	33.3	29.8	59.4	.0	38.5	25.0	50.0	.0
SE	.0	3.8	1.2	.0	.0	.0		5.0	7.5	.0	6.7	.0	.0	7.7	10.7	.0	.0
S	.0	1.2	.0	.0	.0	.0		1.2	7.0	.0	1.9	.0	.0	.0	3.6	.0	.0
SW	2.4	1.8	2.4	.0	.0	.0		6.5	7.7	8.3	9.6	.0	.0	.0	14.3	.0	.0
W	.0	1.2	1.2	1.2	.0	.0		3.5	17.3	.0	.0	12.5	.0	15.4	.0	.0	.0
NW	.0	1.2	.0	.0	.0	.0		1.2	8.0	.0	.0	.0	.0	7.7	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.5							3.5	.0	8.3	.0	.0	.0	7.7	7.1	.0	.0
TOT OBS	10	50	23	2	0	0	85		8.9	12	26	8	0	13	14	12	0
TOT PCT	11.8	58.8	47.1	2.4	.0	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.8	5.6	.0	.0	.0		9.4	7.7	13.8	12.5	3.7	6.3
NE	11.5	20.6	1.2	.0	.0		33.2	8.6	37.5	15.6	27.8	43.8
E	5.9	28.2	2.4	.0	.0		36.5	10.1	30.9	59.4	31.5	50.0
SE	2.9	2.1	.0	.0	.0		5.0	7.5	4.6	.0	9.3	.0
S	.6	.6	.0	.0	.0		1.2	7.0	1.3	.0	1.9	.0
SW	2.4	4.1	.0	.0	.0		6.5	7.7	9.2	.0	7.4	.0
W	.0	1.2	2.4	.0	.0		3.5	17.3	.0	12.5	7.4	.0
NW	.0	1.2	.0	.0	.0		1.2	8.0	.0	.0	3.7	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.5						3.5	.0	2.6	.0	7.4	.0
TOT OBS	26	54	5	0	0	85		8.9	38	8	27	12
TOT PCT	30.6	63.5	5.9	.0	.0		100.0		100.0	100.0	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1926-1977
(OVER-ALL) 1883-1977

AREA 0003 CANTON AND PHOENIX ISLS.
2.9S 171.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&06	4.6	7.9	68.4	21.1	.0	.0	.0	8.3	100.0	38
06&09	.0	12.5	25.0	50.0	12.5	.0	.0	12.7	100.0	8
12&15	7.4	11.1	59.3	22.2	.0	.0	.0	7.6	100.0	27
18&21	.0	.0	50.0	41.7	8.3	.0	.0	11.4	100.0	12
TOT	3	7	50	23	2	0	0	8.9		85
PCT	3.5	8.2	58.8	27.1	2.4	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	5.6	2.4	.0		6.3
NE	4.0	12.1	11.3	.0		4.0
E	18.5	11.3	18.5	.0		3.5
SE	.0	3.2	.0	.0		3.0
S	.0	.0	.0	.0		.0
SW	.0	.0	3.2	.0		5.0
W	.0	.0	.0	.0		.0
NW	.0	3.2	.0	.0		3.0
VAR	.0	.0	.0	.0		.0
CALM	6.5	.0	.0	.0		.5
TOT OBS	9	11	11	0	31	3.5
TOT PCT	29.0	35.5	35.5	.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000-149	150-299	300-599	600-999	1000-1999	2000-3499	3500-4999	5000-6499	6500-7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.1	
NE	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	26.6	
E	.0	.0	.0	.0	5.6	.0	.0	.0	.0	.0	42.7	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	
TOT OBS	0	0	0	0	2	0	0	0	0	0	29	31
TOT PCT	.0	.0	.0	.0	6.5	.0	.0	.0	.0	.0	93.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) • OR >10	• OR >5	• OR >2	• OR >1	• OR >1/2	• OR >1/4	• OR >50YD	• OR >0
• OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
• OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
• OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
• OR >2000	.0	.0	.0	.0	.0	.0	.0	.0
• OR >1000	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
• OR >600	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
• OR >300	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
• OR >120	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
• OR > 0	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
TOTAL	2	2	2	2	2	2	2	2

TOTAL NUMBER OF OBS: 32 PCT FREQ NH <5/8: 93.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
2.9	8.6	22.9	42.9	11.4	.0	2.9	2.9	5.7	.0	35

NOVEMBER

PERIOD: (PRIMARY) 1946-1977
(OVER-ALL) 1883-1977

AREA 0003 CANTON AND PHOENIX ISLS, 2,9S 171.5W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	1.6	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	1.6	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	1.6	
	TOT %	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	1.6	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	1.6	10.3	7.1	2.4	1.6	.8	.0	.0	.0	.0	23.8	
	TOT %	1.6	10.3	7.1	2.4	1.6	.8	.0	.0	.0	.0	23.8	
10+	PCP	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	
	NO PCP	5.6	20.6	31.7	4.0	.0	3.2	1.6	1.6	.0	3.2	71.4	
	TOT %	7.1	20.6	31.7	4.0	.0	3.2	1.6	1.6	.0	3.2	73.0	
	TOT OBS												63
	TOT PCT	8.7	32.5	38.9	6.3	1.6	4.0	3.2	1.6	.0	3.2	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	1.6	.0	.0		1.6	
	TOT %	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	1.6	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	1.6	.0	.0	.0	.0	.0	.0	.0		1.6	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	1.6	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	2.4	.8	.0	.0	.0	.0	.0	.0	.0	3.2	
	4-10	1.6	4.8	4.8	2.4	1.6	.8	.0	.0	.0		15.9	
	11-21	.0	3.2	1.6	.0	.0	.0	.0	.0	.0		4.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.6	10.3	7.1	2.4	1.6	.8	.0	.0	.0	.0	23.8	
10+	0-3	.8	2.4	.0	.0	.0	.0	.0	.0	.0	3.2	6.3	
	4-10	4.8	11.1	18.3	2.4	.0	1.6	.0	1.6	.0		39.7	
	11-21	1.6	7.1	11.9	1.6	.0	1.6	1.6	.0	.0		25.4	
	22+	.0	.0	1.6	.0	.0	.0	.0	.0	.0		1.6	
	TOT %	7.1	20.6	31.7	4.0	.0	3.2	1.6	1.6	.0	3.2	73.0	
	TOT OBS												63
	TOT PCT	8.7	32.5	38.9	6.3	1.6	4.0	3.2	1.6	.0	3.2	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1926-1977
(OVER-ALL) 1883-1977

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2.9S 171.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	7
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	7
12&15	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	10.0	90.0	10
18&21	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0	11.1	88.9	9
TOT	0	0	0	0	2	0	0	0	0	0	2	31	33
PCT	.0	.0	.0	.0	6.1	.0	.0	.0	.0	.0	6.1	93.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	3.2	.0	38.7	58.1	31
06&09	.0	12.5	.0	.0	.0	87.5	8
12&15	.0	.0	.0	.0	20.0	80.0	20
18&21	.0	.0	.0	.0	.0	100.0	9
TOT	0	1	1	0	16	50	68
PCT	.0	1.5	1.5	.0	23.5	73.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	.0	100.0	7
06&09	.0	.0	.0	.0	100.0	7
12&15	.0	.0	.0	11.1	88.9	9
18&21	.0	.0	.0	11.1	88.9	9
TOT	0	0	0	2	30	32
PCT	.0	.0	.0	6.3	93.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
89/89	.0	.0	1.6	3.2	.0	6.3	1.6	.0	8	12.7
80/84	.0	.0	.0	.0	7.9	42.9	11.1	4.8	42	66.7
75/79	.0	.0	.0	.0	.0	9.5	9.5	1.6	13	20.6
TOTAL	0	0	1	2	5	37	14	4	63	100.0
PCT	.0	.0	1.6	3.2	7.9	58.7	22.2	6.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	5.2	4.0	2.0	.0	.0	.0	.0	.0	.0	1.6
	4.0	20.2	19.0	4.0	.8	4.8	3.2	1.6	.0	3.2
	.0	4.8	14.3	.0	.0	.0	1.6	.0	.0	.0
	9.1	34.9	35.3	4.0	.8	4.8	4.8	1.6	.0	4.8

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	89	88	88	83	80	80	80	83.5	39
06&09	85	84	84	80	78	78	78	81.3	8
12&15	84	83	83	80	77	77	77	80.1	30
18&21	85	84	84	80	78	78	78	80.5	11
TOT	89	88	86	81	78	77	77	81.8	88

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	13.6	13.6	63.6	4.5	4.5	71	22
06&09	.0	.0	.0	62.5	25.0	12.5	79	8
12&15	.0	.0	7.4	44.4	44.4	3.7	79	27
18&21	.0	.0	.0	81.8	9.1	9.1	77	11
TOT	0	3	5	40	16	4	76	68

NOVEMBER

PERIOD: (PRIMARY) 1926-1977
(OVER-ALL) 1883-1977

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
6	.0	.0	.0	1.8	1	.0	1.8
5	.0	.0	1.8	.0	1	.0	1.8
2	.0	1.8	1.8	.0	2	.0	3.5
1	1.8	8.8	1.8	.0	7	.0	12.3
0	3.5	14.0	1.8	.0	11	.0	19.3
-1	10.5	12.3	3.5	.0	15	1.8	24.6
-2	3.5	8.8	1.8	.0	8	.0	14.0
-3	7.0	5.3	.0	.0	7	.0	12.3
-4	1.8	1.8	.0	.0	2	.0	3.5
-5	.0	3.5	.0	.0	2	.0	3.5
-7/-8	1.8	.0	.0	.0	1	.0	1.8
TOTAL	17	32	7	1	57	1	56
PCT	29.8	56.1	12.3	1.8	100.0	1.8	98.2

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.6	.0	.0	.0	.0	3.6
3-4	.0	3.6	4.8	.0	.0	.0	8.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.1	4.8	.0	.0	.0	11.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	4.8	.0	.0	.0	.0	4.8
1-2	.0	7.1	.0	.0	.0	.0	7.1
3-4	.0	2.4	6.0	.0	.0	.0	8.3
5-6	.0	.0	4.8	.0	.0	.0	4.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	14.3	10.7	.0	.0	.0	25.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	8.3	9.5	.0	.0	.0	17.9
3-4	.0	3.6	8.3	.0	.0	.0	11.9
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	4.8	.0	.0	4.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	11.9	17.9	4.8	.0	.0	34.5

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	4.8	.0	.0	.0	4.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	11.9	4.8	.0	.0	.0	4.8

PERIOD: (OVER-ALL) 1963-1977

NOVEMBER

AREA 0003 CANTON AND PHOENIX ISLS. 2,9S 171.5W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	4.8	.0	.0	.0	.0	4.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.8	.0	.0	.0	.0	4.8

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	4.8	.0	.0	.0	4.8
8-9	.0	.0	.0	4.8	.0	.0	4.8
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	4.8	4.8	.0	.0	9.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	4.8	.0	.0	.0	.0	4.8	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	4.8	.0	.0	.0	4.8	95.2

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	9.1	4.5	.0	.0	.0	.0	13.6	
1-2	.0	18.2	9.1	.0	.0	.0	27.3	
3-4	.0	18.2	18.2	.0	.0	.0	36.4	
5-6	.0	.0	9.1	.0	.0	.0	9.1	
7	.0	.0	4.5	4.5	.0	.0	9.1	
8-9	.0	.0	.0	4.5	.0	.0	4.5	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	9.1	40.9	40.9	9.1	.0	.0	100.0	22

PERIOD: (OVER-ALL) 1955-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	3.3	16.7	10.0	6.7	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	5
6-7	.0	3.3	6.7	13.3	3.3	3.3	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	5
8-9	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	7
10-11	.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	3
12-13	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
>13	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	0
TOTAL	1	2	10	8	6	2	1	0	0	0	0	0	0	0	0	0	0	0	0	30	5
PCT	3.3	6.7	33.3	26.7	20.0	6.7	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1883-1977

AREA 0003 CANTON AND PHOENIX ISLS.
3.0S 171.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	10.2	.0	.0	.0	.0	.0	10.2	.0	.0	12.1	.0	.0	.0		89.7
NE	.6	.0	.0	.0	.0	.0	.0	.6	2.3	.0	5.7	.0	.0	.0		91.5
E	7.4	.0	.0	.0	.0	.0	.0	2.4	.0	3.1	1.6	.0	.0	.0		92.9
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
NW	23.5	11.8	.0	.0	.0	.0	.0	35.3	.0	.0	.0	.0	.0	.0		64.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
TOT PCT	2.0	4.0	.0	.0	.0	.0	.0	4.1	1.0	1.0	4.1	.0	.0	.0		89.8
TOT OBS:	98															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	.0	.0	.0	.0	.0	.0	.0	.0	3.3	.0	3.3	.0	.0	.0		93.3
06609	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
12615	5.1	5.1	.0	.0	.0	.0	.0	10.3	.0	2.6	7.7	.0	.0	.0		79.5
18621	5.6	5.6	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0	.0		88.9
TOT PCT	3.0	3.0	.0	.0	.0	.0	.0	6.0	1.0	1.0	4.0	.0	.0	.0		88.0
TOT OBS:	100															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	5.9	3.1	.0	.0	.0		9.0	9.2	10.7	12.5	6.3	.0	.0	18.8	4.8	.0
NE	1.6	27.7	17.4	1.6	.2	.0		48.6	10.8	69.1	48.8	41.7	100.0	52.3	38.5	45.2	.3
E	1.6	7.6	18.6	.0	.6	.0		28.5	12.2	16.7	21.3	41.7	.0	23.9	34.4	35.7	100.0
SE	.0	4.3	1.0	.0	.0	.0		5.3	10.1	.0	12.5	2.1	.0	10.2	2.1	4.8	.0
S	.0	.4	.0	.0	.0	.0		.4	9.0	.0	.0	.0	.0	.0	2.1	.0	.0
SW	.0	.0	.2	.0	.0	.0		.2	19.0	1.2	.0	.0	.0	.0	.0	.0	.0
W	.0	.8	1.2	.0	.0	.0		2.0	14.1	7.1	5.0	.0	.0	.0	.0	.0	.0
NW	.0	2.5	1.8	.0	.0	.0		4.3	11.0	1.2	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	13.6	4.2	4.8	.0
CALM	1.6							1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	6	60	53	2	1	0	122		10.9	21	40	12	1	22	24	21	1
TOT PCT	4.9	49.2	43.4	1.6	.8	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.9	5.7	.4	.0	.0		9.0	9.2	11.6	5.8	9.8	4.5
NE	6.1	37.1	5.1	.2	.0		48.6	10.8	58.1	46.2	43.1	43.2
E	2.0	22.3	3.9	.6	.0		28.5	12.2	18.9	38.5	29.5	38.6
SE	.8	3.7	.8	.0	.0		5.3	10.1	6.1	1.9	6.0	4.5
S	.0	.4	.0	.0	.0		.4	9.0	.0	.0	1.1	.0
SW	.0	.2	.0	.0	.0		.2	19.0	.6	.0	.0	.0
W	.0	1.4	.6	.0	.0		2.0	14.1	6.1	.0	.0	.0
NW	.4	3.7	.2	.0	.0		4.3	11.0	.6	.0	8.7	4.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.6						1.6	.0	.0	7.7	.0	4.5
TOT OBS	17	91	13	1	0	122		10.9	61	13	46	22
TOT PCT	13.9	74.6	10.7	.8	.0		100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1883-1977

AREA 0003 CANTON AND PHOENIX ISLS, 3.0S 171.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	4.9	46.3	48.8	.0	.0	.0	11.3	100.0	41
06&09	7.7	.0	38.5	53.8	.0	.0	.0	9.7	100.0	13
12&15	.0	4.3	58.7	37.0	.0	.0	.0	10.3	100.0	46
18&21	4.5	.0	40.9	40.9	9.1	4.5	.0	12.1	100.0	22
TOT	2	4	60	53	2	1	0	10.9		122
PCT	1.6	3.3	49.2	43.4	1.6	.8	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	2.7	1.6		6.3
NE	8.2	20.7	16.8	2.3		4.1
E	7.0	14.8	7.0	3.9		3.7
SE	2.0	3.5	.0	.0		2.2
S	.0	.0	.0	.0		.0
SW	.0	.0	.4	.0		6.0
W	.0	1.2	1.2	.0		5.0
NW	1.6	2.0	1.6	.0		3.6
VAR	.0	.0	.0	.0		.0
CALM	.0	1.6	.0	.0		4.0
TOT OBS	12	28	19	5	64	4.0
TOT PCT	18.8	43.8	29.7	7.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	1.6	.0	.0	1.6	.0	.0	.0	.0	1.2	
NE	.0	.0	.4	.0	3.1	1.6	.0	.0	.0	.0	43.0	
E	.0	.0	1.2	.0	4.7	.0	.0	.0	.0	.0	27.0	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	1.2	.0	.0	.0	.0	.0	1.2	
NW	.0	.0	.0	.0	1.6	.0	.0	.0	.0	.0	3.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	
TOT OBS	0	0	2	0	7	2	0	0	0	0	53	64
TOT PCT	.0	.0	3.1	.0	10.9	3.1	.0	.0	.0	.0	82.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
* OR >1000	12.3	13.8	13.8	13.8	13.8	13.8	13.8	13.8
* OR >600	12.3	13.8	13.8	13.8	13.8	13.8	13.8	13.8
* OR >300	12.3	13.8	16.9	16.9	16.9	16.9	16.9	16.9
* OR >150	12.3	13.8	16.9	16.9	16.9	16.9	16.9	16.9
* OR > 0	12.3	13.8	16.9	16.9	16.9	16.9	16.9	16.9
TOTAL	8	9	11	11	11	11	11	11

TOTAL NUMBER OF OBS: 65

PCT FREQ NH <5/8: 83.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.0	7.6	24.2	36.4	12.1	6.1	4.5	.0	6.1	.0	66

DECEMBER

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1883-1977

AREA 0003 CANTON AND PHOENIX ISLS.
3.0S 171.5W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	1.0	.3	.8	.0	.0	.0	.0	.0	.0	.0	2.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	1.0	.3	.8	.0	.0	.0	.0	.0	.0	.0	2.0	
5<10	PCP	.5	.0	.0	.0	.0	.0	.0	.5	.0	.0	1.0	
	NO PCP	3.1	9.4	8.4	.5	.5	.0	1.0	1.0	.0	.0	23.5	
	TOT %	3.6	9.4	8.4	.5	.5	.0	1.0	1.0	.0	.0	24.5	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	1.0	
	NO PCP	3.8	35.2	23.2	5.1	.0	.3	1.5	2.3	.0	1.0	72.4	
	TOT %	3.8	35.2	23.2	5.1	.0	.3	1.5	3.3	.0	1.0	73.5	
	TOT OBS												98
	TOT PCT	8.4	44.9	32.4	5.6	.5	.3	2.6	4.3	.0	1.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	1.0	.0	.0	.0	.0	.0	.0	.0	.0		1.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.3	.8	.0	.0	.0	.0	.0	.0		1.0	
	TOT %	1.0	.3	.8	.0	.0	.0	.0	.0	.0	.0	2.0	
5<10	0-3	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	
	4-10	2.0	3.1	4.1	.5	.5	.0	1.0	1.0	.0		14.3	
	11-21	1.5	4.3	3.3	.0	.0	.0	.0	.0	.0		9.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	3.6	9.4	8.4	.5	.5	.0	1.0	1.0	.0	.0	24.5	
10+	0-3	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	1.0	3.1	
	4-10	2.3	22.7	3.8	3.8	.0	.0	.0	2.0	.0		34.7	
	11-21	1.5	10.5	16.4	1.3	.0	.3	1.5	1.3	.0		34.7	
	22+	.0	1.0	.0	.0	.0	.0	.0	.0	.0		1.0	
	TOT %	3.8	35.2	23.2	5.1	.0	.3	1.5	3.3	.0	1.0	73.5	
	TOT OBS												98
	TOT PCT	8.4	44.9	32.4	5.6	.5	.3	2.6	4.3	.0	1.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1927-1977
(OVER-ALL) 1883-1977

AREA 0003 CANTON AND PHOENIX ISLS.
3.0S 171.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	11.8	5.9	.0	.0	.0	.0	17.6	82.4	17
06&09	.0	.0	.0	.0	7.7	.0	.0	.0	.0	.0	7.7	92.3	13
12&15	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0	11.1	88.9	18
18&21	.0	.0	11.1	.0	11.1	5.6	.0	.0	.0	.0	27.8	72.2	18
TOT	0	0	2	0	7	2	0	0	0	0	11	55	66
PCT	.0	.0	3.0	.0	10.6	3.0	.0	.0	.0	.0	16.7	83.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	26.7	73.3	30
06&09	.0	.0	.0	.0	7.7	92.3	13
12&15	.0	.0	.0	.0	42.5	57.5	40
18&21	.0	.0	.0	11.1	.0	88.9	18
TOT	0	0	0	2	26	73	101
PCT	.0	.0	.0	2.0	25.7	72.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8),BY HOUR

HOUR (GMT)	<150 <50VSBY	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	18.8	81.3	16
06&09	.0	.0	.0	7.7	92.3	13
12&15	.0	.0	.0	11.1	88.9	18
18&21	.0	11.1	11.1	16.7	72.2	18
TOT	0	2	2	9	54	65
PCT	.0	3.1	3.1	13.8	83.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	4.3	1.1	.0	.0	5	5.4
80/84	.0	.0	.0	.0	4.3	53.3	19.6	1.1	72	78.3
75/79	.0	.0	.0	.0	.0	5.4	5.4	5.4	15	16.3
TOTAL	0	0	0	0	8	55	23	6	92	100.0
PCT	.0	.0	.0	.0	8.7	59.8	25.0	6.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	4.3	1.1	.0	.0	.0	.0	.0	.0	.0
3.3	40.8	23.4	1.6	.0	.3	1.6	5.2	.0	2.2
1.1	4.1	5.2	5.4	.5	.0	.0	.0	.0	.0
4.3	49.2	29.6	7.1	.5	.3	1.6	5.2	.0	2.2

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	89	88	87	83	78	78	78	83.0	41
06&09	84	83	83	82	78	78	78	81.4	13
12&15	84	83	83	81	78	76	76	80.6	49
18&21	84	83	83	81	78	77	77	80.7	21
TOT	89	88	85	81	78	76	76	81.5	124

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	22.2	48.1	22.2	7.4	75	27
06&09	.0	.0	.0	92.3	.0	7.7	75	13
12&15	.0	.0	5.6	58.3	27.8	8.3	79	36
18&21	.0	.0	9.5	42.9	38.1	9.5	79	21
TOT	0	0	10	55	24	8	77	97

DECEMBER

PERIOD: (PRIMARY) 1977-1977
(OVER-ALL) 1963-1977

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA THP DIF	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
11/13	.0	.0	1.1	.0	1	.0	1.1
6	.0	.0	1.1	.0	1	.0	1.1
4	.0	.0	.0	1.1	1	.0	1.1
3	.0	.0	1.1	.0	1	.0	1.1
2	.0	1.1	1.1	2.2	4	.0	4.4
1	.0	1.1	3.3	.0	4	.0	4.4
0	.0	2.2	14.4	2.2	17	1.1	17.8
-1	.0	6.7	10.0	1.1	16	1.1	16.7
-2	.0	1.1	24.4	.0	23	.0	23.6
-3	.0	5.6	4.4	.0	9	1.1	8.9
-4	.0	5.6	3.3	.0	8	1.1	7.8
-5	.0	1.1	.0	.0	1	.0	1.1
-6	.0	2.2	.0	.0	2	.0	2.2
-7/-8	1.1	.0	1.1	.0	2	.0	2.2
TOTAL	1		59			4	86
		24		6	90		
PCT	1.1	26.7	65.6	6.7	100.0	4.4	95.6

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	3.5	2.0	.0	.0	.0	5.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
†OT PCT	.0	3.5	2.0	.0	.0	.0	5.5

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.0	2.0	.0	.0	.0	.0	4.0
1-2	.0	16.0	4.5	.0	.0	.0	20.5
3-4	.0	19.0	6.5	.0	.0	.0	25.5
5-6	.0	.5	.0	.0	.0	.0	.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
†OT PCT	2.0	37.5	11.0	.0	.0	.0	50.5

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.0	.0	.0	.0	.0	.0	2.0
1-2	.0	.0	3.5	.0	.0	.0	3.5
3-4	.0	1.5	15.5	.0	.0	.0	17.0
5-6	.0	1.5	8.0	.0	.0	.0	9.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
†OT PCT	2.0	3.0	27.0	.0	.0	.0	32.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.0	.0	.0	.0	.0	2.0
3-4	.0	.0	2.0	.0	.0	.0	2.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
†OT PCT	.0	2.0	2.0	.0	.0	.0	4.0

PERIOD: (OVER-ALL) 1963-1977 DECEMBER AREA 0003 CANTON AND PHOENIX ISLS. 3.0S 171.5W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.5	.0	.0	.0	.5

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	1.5	.0	.0	.0	1.5
5-6	.0	.0	1.5	.0	.0	.0	1.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	3.0	.0	.0	.0	3.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	2.5	.0	.0	.0	2.5	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.0	2.0	.0	.0	.0	.0	6.0	
1-2	.0	20.0	10.0	.0	.0	.0	30.0	
3-4	.0	24.0	28.0	.0	.0	.0	52.0	
5-6	.0	2.0	10.0	.0	.0	.0	12.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	4.0	48.0	48.0	.0	.0	.0	100.0	50

PERIOD: (OVER-ALL) 1956-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	5.1	5.1	15.3	10.2	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	3
6-7	.0	3.4	18.6	3.4	5.1	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	4
8-9	.0	1.7	10.2	3.1	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	4
10-11	.0	.0	.0	1.7	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	6
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	3.4	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3
TOTAL	3	8	26	13	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	59	4
PCT	5.1	13.6	44.1	22.0	11.9	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1925-1978
(OVER-ALL) 1877-1978

AREA 0003 CANTON AND PHOENIX ISLS.
2.9S 171.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	1.5	5.5	.0	.0	.0	.0	.0	7.0	.0	.0	6.0	.0	.0		.0	70.4
NE	.5	1.4	.4	.0	.0	.0	.0	2.3	.7	.6	4.7	.0	.7		.0	91.0
E	1.3	1.7	.1	.0	.0	.0	.0	3.2	.7	1.2	4.5	.0	.0		.0	90.5
SE	2.9	1.2	.0	.0	.0	.0	.0	4.2	.0	1.0	2.9	.0	.5		.0	91.4
S	.0	3.3	.0	.0	.0	.0	.0	3.3	.0	.0	1.7	.0	.0		.0	61.7
SW	8.3	.0	.0	.0	.0	.0	.0	8.3	.0	.0	8.3	.0	.0		.0	41.7
W	17.3	.0	3.6	.0	.0	.0	.0	20.8	.0	.0	.0	.0	.0		.0	29.2
NW	6.1	1.0	8.3	.0	.0	.0	.0	15.4	.0	6.3	.0	.0	.0		.0	34.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0		.0	90.3
TOT PCT	1.7	2.1	.3	.0	.0	.0	.0	4.2	.6	1.0	4.4	.0	.3		.0	89.6
TOT OBS:	1008															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	2.1	2.4	.3	.0	.0	.0	.0	4.9	.3	.0	4.4	.0	.5		.0	89.9
06&09	1.0	1.4	.0	.0	.0	.0	.0	2.4	1.4	.0	.0	.0	.0		.0	96.2
12&15	1.8	2.3	.3	.0	.0	.0	.0	4.3	1.0	2.8	7.6	.0	.3		.0	84.3
18&21	4.1	2.5	.9	.0	.0	.0	.0	7.6	.6	.9	.0	.0	.0		.0	90.9
TOT PCT	2.1	2.2	.3	.0	.0	.0	.0	4.8	.6	1.0	4.4	.0	.3		.0	89.0
TOT OBS:	1028															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.5	3.0	1.3	.0	.0	.0		4.7	7.1	3.8	5.9	5.0	.0	3.3	5.6	3.1	.0
NE	.9	16.4	10.1	.4	*	.0		27.9	10.1	29.8	34.3	24.8	8.3	28.6	24.8	20.2	.0
E	1.3	23.0	22.5	1.6	.1	.0		48.5	11.4	47.8	44.0	51.1	8.3	47.5	48.0	55.9	16.7
SE	.6	6.6	4.8	.1	.0	.0		12.2	9.8	11.8	11.4	12.7	.0	12.9	12.8	12.6	.0
S	.3	.7	.2	.0	.0	.0		1.1	4.6	1.3	.6	.4	.0	.8	2.2	1.4	.0
SW	.3	.5	.4	.0	.0	.0		1.2	6.0	1.5	1.1	1.0	.0	.0	2.1	1.2	.0
W	.1	.5	.3	.1	.1	.0		1.1	8.9	1.1	1.3	1.6	.0	1.6	.9	.0	.0
NW	.1	.4	.4	.0	*	.0		1.0	8.4	.8	.7	.0	.0	2.2	1.2	.6	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.5							2.5	.0	2.1	.8	3.4	.0	3.1	2.3	5.1	.0
TOT OBS							1298		10.4	219	323	153	2	216	217	166	2
TOT PCT	6.6	51.1	39.9	2.3	.2	.0		100.0		100.0	100.0	100.0	16.7	100.0	100.0	100.0	16.7

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.0	2.7	*	.0	.0		4.7	7.1	3.2	5.0	4.4	3.1
NE	6.7	18.6	2.4	.1	.0		27.9	10.1	32.2	24.9	26.6	19.9
E	7.1	33.6	7.7	.1	.0		48.5	11.4	45.6	51.3	47.8	56.5
SE	3.3	7.6	1.2	.0	.0		12.2	9.8	11.4	12.7	12.8	12.3
S	.8	.3	.0	.0	.0		1.1	4.6	1.0	.4	1.6	1.4
SW	.3	.8	.0	.0	.0		1.2	6.0	1.3	1.0	1.1	1.2
W	.1	.7	.2	.1	.0		1.1	8.9	1.2	1.6	1.3	.0
NW	.2	.7	.1	*	.0		1.0	8.4	.7	.0	1.8	.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.5						2.5	.0	1.3	3.2	2.8	5.1
TOT OBS						1298		10.4	342	155	439	168
TOT PCT	23.0	69.0	11.7	.2	.0		100.0		100.0	100.0	100.0	100.0

ANNUAL

PERIOD: (PRIMARY) 1925-1978
(OVER-ALL) 1977-1978

AREA 0003 CANTON AND PHOENIX ISLS.
2.9S 171.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00603	1.3	3.8	49.9	42.2	2.6	.3	.0	10.8	100.0	542
06609	3.2	2.5	44.8	48.0	1.5	.0	.0	10.8	100.0	155
12613	2.8	6.5	58.2	31.5	1.0	.0	.0	9.3	100.0	433
18621	5.1	.7	39.9	48.5	5.4	.4	.0	11.6	100.0	168
TOT								10.4		1298
PCT	4.5	4.1	51.1	39.0	2.3	.2	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.1	1.0	1.4	.4		3.2
NE	7.0	8.8	7.3	1.7		3.7
E	17.1	15.9	13.6	3.6		3.6
SE	5.2	4.7	3.0	.2		2.2
S	.6	.3	.2	.0		.9
SW	.0	.2	.6	.1		1.7
W	.0	.1	.1	.1		1.0
NW	.1	.4	.3	.1		1.8
VAR	.0	.0	.0	.0		.0
CALM	1.8	1.6	.4	.0		3.1
TOT OBS					561	3.6
TOT PCT	32.9	34.0	26.8	6.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 169	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.1	.4	.0	.5	.0	.0	.0	.0	2.8	
NE	.0	.0	.2	1.0	2.1	.5	.2	.0	.0	.0	20.8	
E	.0	.0	1.2	.7	3.9	1.3	.4	.0	.0	.2	43.6	
SE	.0	.0	.0	.4	.2	.4	.3	.0	.0	.0	11.8	
S	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.8	
SW	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	.9	
W	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.1	
NW	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	3.6	
TOT OBS												561
TOT PCT	.0	.0	1.9	2.6	6.7	2.8	1.1	.0	.0	.2	85.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >3OYD	* OR >0
* OR >6500	.2	.2	.2	.2	.2	.2	.2	.2
* OR >5000	.2	.2	.2	.2	.2	.2	.2	.2
* OR >3500	1.1	1.1	1.3	1.3	1.3	1.3	1.3	1.3
* OR >2000	3.7	3.9	4.1	4.2	4.2	4.2	4.2	4.2
* OR >1000	9.5	10.5	10.6	10.8	10.8	10.8	10.8	10.8
* OR >600	12.1	13.1	13.2	13.4	13.4	13.4	13.4	13.4
* OR >300	13.3	14.4	14.8	14.9	14.9	14.9	14.9	14.9
* OR >150	13.3	14.4	14.8	14.9	14.9	14.9	14.9	14.9
* OR > 0	13.3	14.4	14.8	14.9	14.9	14.9	14.9	14.9

TOTAL NUMBER OF OBS: 567

PCT FREQ NH <5/8: 85.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.8	18.2	23.9	24.6	14.1	6.5	4.6	1.8	2.7	.0	622

ANNUAL

PERIOD: (PRIMARY) 1929-1978
(OVER-ALL) 1877-1978

AREA 0003 CANTON AND PHOENIX ISLS.
2.9S 171.6W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.2	
1<2	PCP	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	
2<5	PCP	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.4	
	NO PCP	.1	.0	.0	.0	.0	.0	.0	*	.0	.0	.1	
	TOT %	.2	.2	.1	.1	.0	.0	.0	*	.0	.0	.5	
5<10	PCP	*	.3	.7	.2	.1	.0	.2	.2	.0	.0	1.7	
	NO PCP	.9	7.5	10.6	3.5	.3	.3	.2	.3	.0	.5	24.2	
	TOT %	1.0	7.8	11.3	3.8	.4	.3	.4	.5	.0	.5	25.9	
10+	PCP	.3	.2	.9	.1	.0	.0	.0	.1	.0	.0	1.7	
	NO PCP	2.8	18.6	36.7	9.2	.7	.6	.3	.4	.0	2.1	71.4	
	TOT %	3.1	18.8	37.6	9.4	.7	.6	.3	.5	.0	2.1	73.1	
	TOT OBS												1007
	TOT PCT	4.2	26.9	49.0	13.3	1.1	.9	.9	1.1	.0	2.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.1	.1	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.1	.0	.0		.1	
	TOT %	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.2	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.1	.0	.0	.0	.0	.0	.0	.0		.1	
	11-21	.0	.0	.0	.1	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.1	.1	.0	.0	.0	.0	.0	.0	.0		.2	
	11-21	.1	.2	.4	.1	.0	.0	.0	*	.0		.8	
	22+	.0	*	.1	.0	.0	.0	.0	.0	.0		.1	
	TOT %	.2	.3	.5	.1	.0	.0	.0	*	.0	.0	1.1	
5<10	0-3	.0	.3	.7	.3	.2	.1	.1	.1	.0	.3	2.3	
	4-10	.6	4.8	6.4	2.0	.2	.1	.2	.3	.0		14.6	
	11-21	.3	2.6	3.9	1.3	.1	.1	*	.1	.0		8.5	
	22+	.0	.1	.1	.0	.0	.0	.1	*	.0		.3	
	TOT %	1.0	7.8	11.1	3.7	.4	.3	.4	.5	.0	.5	25.6	
10+	0-3	.3	.5	.7	.3	.1	.1	.0	.0	.0	2.1	4.1	
	4-10	1.8	10.7	15.1	4.8	.3	.4	.0	.3	.0		33.6	
	11-21	.9	7.2	19.9	3.9	.1	.2	.3	.2	.0		32.6	
	22+	.0	.4	1.9	.2	.0	.0	.0	.0	.0		2.5	
	TOT %	3.1	18.8	37.5	9.2	.7	.6	.3	.5	.0	2.1	72.8	
	TOT OBS												1022
	TOT PCT	4.2	27.0	49.1	13.1	1.1	.9	.9	1.0	.0	2.6	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.9	3.4	9.4	3.3	2.8	.0	.0	.0	19.8	80.2	179
06&09	.0	.0	1.7	3.0	1.9	1.6	.8	.0	.0	.0	9.0	91.0	128
12&15	.0	.0	.5	3.1	6.7	3.5	.0	.0	.0	.0	13.8	86.2	166
18&21	.0	.0	2.8	.6	6.1	2.9	.0	.0	.0	.8	13.1	86.9	139
TOT													612
PCT	.0	.0	1.4	2.5	6.1	2.8	1.0	.0	.0	.2	13.9	86.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.3	1.3	31.7	66.7	427
06&09	.0	1.0	.0	.0	5.1	93.8	134
12&15	.0	.3	.0	.0	37.5	62.2	360
18&21	.0	.0	.8	3.0	.6	95.5	142
TOT							1063
PCT	.0	.2	.2	1.1	26.1	72.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	1.0	5.0	16.9	78.1	166
06&09	.0	2.8	6.0	4.5	89.5	117
12&15	.0	.6	4.1	11.1	84.8	154
18&21	.0	2.8	6.9	8.9	84.2	130
TOT						567
PCT	.0	1.5	4.9	10.5	84.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.2	.1	.1	.0		.4
85/89	.0	.0	.1	.3	2.0	5.3	1.2	.1		9.0
80/84	.0	.0	.0	.1	4.8	40.0	29.5	3.3		77.7
75/79	.0	.0	.0	.0	.1	3.1	6.4	3.2		12.8
70/74	.0	.0	.0	.0	.0	.0	.0	.1		.1
TOTAL									926	100.0
PCT	.0	.0	.1	.4	7.1	48.5	37.2	6.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.1	.1	.0	.0	.0	.0	.0	.0	.2
.8	2.5	3.9	1.1	.1	.0	.0	.0	.0	.6
2.8	22.0	38.8	9.4	.8	.5	.7	.9	.0	1.8
.3	1.8	7.7	1.6	.2	.1	.6	.3	.0	.2
.0	.0	.1	*	.0	.0	.0	.0	.0	.0
3.8	26.5	50.5	12.2	1.2	.6	1.3	1.2	.0	2.7

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	92	88	87	83	79	78	75	83.1	541
06&09	88	84	84	82	79	79	77	82.0	431
12&15	86	83	83	81	78	77	74	80.8	437
18&21	85	82	82	81	79	79	77	81.0	161
TOT	92	88	86	82	79	77	74	81.9	1290

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.1	12.8	53.3	26.2	6.6	77	338
06&09	.0	.0	4.2	54.4	34.6	6.8	79	137
12&15	.0	.5	2.9	44.7	43.7	8.3	81	335
18&21	.0	.0	5.4	39.6	48.0	7.0	80	141
TOT	0	4	70	463	350	94	79	951

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
*/13	.0	.0	.1	.0	.0	1	.0	.1
*/10	.0	.0	.0	.1	.1	2	.0	.2
7/8	.0	.0	.0	.0	.1	1	.0	.1
6	.0	.0	.1	.3	.3	6	.0	.7
5	.0	.0	.0	.8	.1	8	.0	.9
4	.0	.0	.6	1.3	.0	18	.0	1.9
3	.0	.1	1.6	1.4	.1	30	.1	3.1
2	.0	.7	2.4	1.4	.0	42	.2	4.2
1	.0	1.8	8.5	1.3	.0	104	1.0	10.7
0	.0	3.3	15.4	1.6	.1	185	.8	19.5
-1	.0	4.3	11.7	1.3	.0	155	1.3	16.1
-2	.0	5.8	11.9	.2	.0	167	1.1	17.0
-3	.2	4.7	4.2	.2	.0	86	.2	9.2
-4	.0	2.0	3.0	.1	.0	50	.2	4.9
-5	.0	1.3	2.2	.0	.0	32	.0	3.5
-6	.3	.8	.4	.0	.0	14	.0	1.5
-7/-8	.2	.6	.2	.0	.0	9	.0	1.0
-9/-10	.1	.2	.0	.0	.0	3	.0	.3
-11/-13	.0	.0	.1	.0	.0	1	.0	.1
-14/-16	.0	.1	.0	.0	.0	1	.0	.1
TOTAL						915		
PCT	.8	29.8	62.6	10.0	.8	100.0	4.9	95.1

PERIOD: (OVER-ALL) 1962-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.2	.0	.0	.0	.0	.2
1-2	.0	1.5	.5	.0	.0	.0	2.0
3-4	.0	.9	.8	.0	.0	.0	1.7
5-6	.0	.0	.8	.0	.0	.0	.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.5	2.1	.0	.0	.0	4.6

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	1.9	.2	.0	.0	.0	2.3
1-2	.0	6.9	.9	.0	.0	.0	7.8
3-4	.0	4.3	6.5	.2	.0	.0	11.0
5-6	.0	.7	1.2	.4	.0	.0	2.3
7	.0	.0	1.0	.4	.0	.0	1.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.1	.0	.0	.0	.1
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	13.8	9.9	.9	.0	.0	24.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	2.1	.0	.0	.0	.0	2.5
1-2	.5	9.1	6.6	.0	.0	.0	16.2
3-4	.0	7.0	13.7	.8	.0	.0	21.4
5-6	.0	.9	6.8	.4	.0	.0	8.1
7	.0	.0	1.5	.8	.0	.0	2.3
8-9	.0	.0	.6	.3	.0	.0	.9
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.2	.0	.0	.0	.2
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.2	.0	.0	.0	.2
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	19.1	29.5	2.3	.0	.0	51.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.8	.4	.0	.0	.0	1.2
1-2	.3	3.3	.7	.0	.0	.0	4.3
3-4	.0	2.0	2.7	*	.0	.0	4.7
5-6	.0	.7	2.4	.0	.0	.0	3.1
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	6.8	6.3	*	.0	.0	13.5

PERIOD: (OVER-ALL) 1963-1978

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.3	.0	.0	.0	.0	.3
1-2	.0	.0	.2	.0	.0	.0	.2
3-4	.0	.4	.0	.0	.0	.0	.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.7	.2	.0	.0	.0	1.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.3	.0	.0	.0	.0	.0	.3
3-4	.0	.4	*	.0	.0	.0	.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	.4	*	.0	.0	.0	.7

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.1	.0	.0	.0	.1
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.4	.0	.0	.0	.4
8-9	.0	.0	.0	.4	.0	.0	.4
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.6	.4	.0	.0	1.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.2	.2	.0	.0	.0	.4	
3-4	.0	.4	.0	.0	.0	.0	.4	
5-6	.0	.0	.3	.0	.0	.0	.3	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.8	.6	.0	.0	.0	1.1	98.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.7	5.3	.5	.0	.0	.0	8.5	
1-2	1.1	20.8	9.1	.0	.0	.0	31.0	
3-4	.0	15.2	23.7	1.0	.0	.0	39.9	
5-6	.0	2.3	11.6	.8	.0	.0	14.6	
7	.0	.0	3.0	1.2	.0	.0	4.2	
8-9	.0	.0	.6	.7	.0	.0	1.3	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.2	.0	.0	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.3	.0	.0	.0	.3	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.8	43.5	49.0	3.7	.0	.0	100.0	373

PERIOD: (OVER-ALL) 1950-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.6	7.9	14.3	8.0	4.0	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	197	4
6-7	.2	3.2	10.6	10.4	6.3	2.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	171	5
8-9	.0	1.1	3.7	3.0	4.8	2.5	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	87	6
10-11	.0	1.0	1.3	1.3	1.3	.3	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35	5
12-13	.0	.0	.9	.0	.2	.0	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	7	7
>13	.0	.0	.0	.6	.2	.2	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	6	8
INDET	.9	.4	1.0	1.1	.2	.9	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28	4
TOTAL PCT	3.8	13.6	31.7	24.6	16.9	6.6	2.0	.2	.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	532 100.0	4

PERIOD: (PRIMARY) 1925-1978
(OVER-ALL) 1877-1978

AREA 0003 CANTON AND PHOENIX ISLS.
2.9S 171.6W

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
90+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.9	.0	.0	.0	.0	1.1	.0	.0	2	.2
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	1.0	2.0	.0	.9	1.8	.8	.0	.0	1.1	.0	.9	9	.8
87/88	1.3	5.7	6.9	3.8	7.7	.9	1.7	2.7	.9	.0	2.7	.9	35	3.0
85/86	10.4	8.6	8.6	20.2	16.2	14.3	15.7	1.4	12.8	12.5	22.7	12.6	153	13.1
83/84	18.2	32.4	40.2	36.7	38.5	42.7	51.2	49.3	29.4	35.2	28.0	46.8	444	38.0
81/82	42.9	40.0	22.5	30.4	35.0	32.7	24.0	43.8	26.6	35.2	29.3	26.1	371	31.8
79/80	11.7	12.4	19.6	7.6	.9	5.5	5.8	2.7	30.3	12.5	14.7	7.2	127	10.9
77/78	19.6	.0	.0	.0	.0	1.8	.8	.0	.0	2.3	2.7	2.7	22	1.9
75/76	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	1.8	3	.3
73/74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1	.1
71/72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
69/70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
67/68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
65/66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
63/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	77	105	102	79	117	110	121	73	109	88	75	111	1167	100.0
MEAN	81.5	82.7	82.8	83.2	83.5	82.9	83.0	82.6	82.2	82.7	82.8	82.6	82.7	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1008	1005	1007		1009	1007	1008		1007	77
FEB	1008	1008	1006		1009	1009	1008		1008	103
MAR	1008	1007	1008		1009	1008	1009	1005	1008	102
APR	1008	1007	1009	1009	1008	1009	1009		1008	85
MAY	1008	1008	1009		1010	1009	1009		1009	110
JUN	1010	1008	1009		1010	1009	1010		1009	106
JUL	1009	1008	1009		1010	1008	1010		1009	110
AUG	1009	1007	1009		1010	1010	1009		1009	82
SEP	1010	1008	1009		1010	1009	1010		1009	114
OCT	1010	1008	1010		1010	1008	1011		1010	97
NOV	1008	1008	1008		1009	1009	1009		1008	84
DEC	1008	1006	1008	1009	1008	1007	1009	1008	1008	118
ANN	1009	1007	1009	1009	1009	1009	1009	1007	1009	1188
OBS	203	289	149	2	214	167	162	2		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	1002	1002	1003	1006	1008	1009	1011	1013	1014
FEB	1003	1003	1005	1007	1008	1009	1011	1011	1012
MAR	1003	1003	1005	1007	1008	1009	1011	1011	1012
APR	1004	1004	1005	1007	1008	1010	1011	1011	1012
MAY	1005	1005	1006	1008	1009	1010	1012	1012	1013
JUN	1002	1002	1007	1008	1009	1010	1012	1012	1013
JUL	1001	1001	1006	1008	1009	1010	1012	1013	1013
AUG	1001	1001	1005	1007	1009	1010	1012	1012	1013
SEP	1002	1002	1006	1008	1009	1011	1012	1012	1013
OCT	1005	1005	1006	1008	1010	1011	1012	1012	1013
NOV	1004	1004	1006	1007	1008	1010	1012	1013	1014
DEC	1004	1004	1005	1006	1007	1009	1011	1012	1013

JANUARY

PERIOD: (PRIMARY) 1951-1978
(OVER-ALL) 1929-1978

AREA 0004 CHRISTMAS AND JARVIS IS.
.9N 157.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NE	19.2	.0	.0	.0	.0	.0	.0	19.2	.0	.0	.0	.0	.0		.0	80.8
E	2.4	.0	.0	.0	.0	.0	.0	2.4	1.4	1.4	.0	.0	.0		.0	94.8
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
TOT PCT	2.7	.0	.0	.0	.0	.0	.0	2.7	.9	.9	.0	.0	.0		.0	95.5
TOT OBS:	112															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
06&09	3.0	.0	.0	.0	.0	.0	.0	3.0	3.0	3.0	.0	.0	.0		.0	90.9
12&15	9.5	.0	.0	.0	.0	.0	.0	9.5	.0	.0	.0	.0	.0		.0	90.5
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	2.7	.0	.0	.0	.0	.0	.0	2.7	.9	.9	.0	.0	.0		.0	95.5
TOT OBS:	112															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.8	.0	.0	.0	.0	.0		.8	3.0	.0	.0	3.1	.0	.0	.0	.0	.0
NE	.8	4.4	1.9	.0	.0	.0		7.2	9.3	12.0	.0	.0	100.0	5.3	6.3	8.3	.0
E	.0	19.3	43.4	.6	.0	.0		63.3	12.5	59.0	.0	72.7	.0	69.7	68.8	60.4	.0
SE	.0	5.1	20.8	1.1	.0	.0		26.9	12.8	33.0	.0	23.4	.0	19.7	25.0	28.5	100.0
S	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	1.7	.0	.0	.0	.0		1.7	5.5	.0	.0	.0	.0	5.3	.0	2.8	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	2	36	78	2	0	0	118		12.1	25	0	32	1	19	4	36	1
TOT PCT	1.7	30.5	66.1	1.7	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.8	.0	.0	.0	.0		.8	3.0	.0	3.0	.0	.0
NE	1.1	6.1	.0	.0	.0		7.2	9.3	12.0	3.8	5.4	8.1
E	7.2	47.5	8.7	.0	.0		63.3	12.5	55.0	70.5	69.6	58.8
SE	1.9	21.8	3.2	.0	.0		26.9	12.8	33.0	22.7	20.7	30.4
S	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
W	1.7	.0	.0	.0	.0		1.7	5.5	.0	.0	4.3	2.7
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0						.0	.0	.0	.0	.0	.0
TOT OBS	13	89	14	0	0	118		12.1	25	33	23	37
TOT PCT	12.7	75.4	11.9	.0	.0		100.0		100.0	100.0	100.0	100.0

JANUARY

PERIOD: (PRIMARY) 1951-1978
(OVER-ALL) 1929-1978

AREA 0004 CHRISTMAS AND JARVIS IS.
.9N 157.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	20.0	80.0	.0	.0	.0	12.7	100.0	25
06&09	.0	3.0	27.3	69.7	.0	.0	.0	12.4	100.0	33
12&15	.0	.0	47.8	52.2	.0	.0	.0	11.0	100.0	23
18&21	.0	2.7	29.7	62.2	5.4	.0	.0	12.2	100.0	37
TOT	0	2	36	78	2	0	0	12.1		118
PCT	.0	1.7	30.5	66.1	1.7	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	2.6	2.9	.0	1.9		3.4
E	29.2	18.2	13.2	6.8		3.5
SE	11.3	6.3	4.7	1.9		3.1
S	.0	.0	.0	.0		.0
SW	.0	.0	.0	.0		.0
W	1.1	.0	1.1	.0		4.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	42	26	18	9	95	3.4
TOT PCT	44.2	27.4	18.9	9.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	6.6	
E	.0	.0	.0	.3	.3	.0	.0	.0	.0	.0	23.2	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	0	2	6	1	0	0	0	1	85	95
TOT PCT	.0	.0	.0	2.1	6.3	1.1	.0	.0	.0	1.1	89.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	1.1	1.1	1.1	1.1	1.1	1.1
* OR >5000	.0	.0	1.1	1.1	1.1	1.1	1.1	1.1
* OR >3500	.0	.0	1.1	1.1	1.1	1.1	1.1	1.1
* OR >2000	.0	.0	1.1	1.1	1.1	1.1	1.1	1.1
* OR >1000	4.3	5.3	7.4	7.4	7.4	7.4	7.4	7.4
* OR >600	4.3	7.4	9.6	9.6	9.6	9.6	9.6	9.6
* OR >300	4.3	7.4	9.6	9.6	9.6	9.6	9.6	9.6
* OR >150	4.3	7.4	9.6	9.6	9.6	9.6	9.6	9.6
* OR > 0	4.3	7.4	9.6	9.6	9.6	9.6	9.6	9.6
TOTAL	4	7	9	9	9	9	9	9

TOTAL NUMBER OF OBS: 94

PCT FREQ NH <5/8: 90.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
5.3	25.3	23.2	20.0	15.8	3.2	3.2	1.1	3.2 .0	95

JANUARY

PERIOD: (PRIMARY) 1951-1978
(OVER-ALL) 1929-1978

AREA 0004 CHRISTMAS AND JARVIS IS.
.9N 157.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	1.1	1.6	.0	.0	.0	.0	.0	.0	.0	2.7	
	NO PCP	.0	.0	.9	.9	.0	.0	.0	.0	.0	.0	1.8	
	TOT %	.0	1.1	2.5	.9	.0	.0	.0	.0	.0	.0	4.5	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.9	1.8	11.8	4.2	.0	.0	.0	.0	.0	.0	18.8	
	TOT %	.9	1.8	11.8	4.2	.0	.0	.0	.0	.0	.0	18.8	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	2.9	50.7	21.4	.0	.0	1.8	.0	.0	.0	76.8	
	TOT %	.0	2.9	50.7	21.4	.0	.0	1.8	.0	.0	.0	76.8	
	TOT OBS												112
	TOT PCT	.9	5.8	65.0	26.6	.0	.0	1.8	.0	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.2	2.5	.9	.0	.0	.0	.0	.0		3.6	
	11-21	.0	.9	.0	.0	.0	.0	.0	.0	.0		.9	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	1.1	2.5	.9	.0	.0	.0	.0	.0	.0	4.5	
5<10	0-3	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	
	4-10	.0	1.8	2.5	.2	.0	.0	.0	.0	.0		4.5	
	11-21	.0	.0	9.4	4.0	.0	.0	.0	.0	.0		13.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.9	1.8	11.8	4.2	.0	.0	.0	.0	.0	.0	18.8	
10+	0-3	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.9	
	4-10	.0	.9	14.5	4.2	.0	.0	1.8	.0	.0		21.4	
	11-21	.0	1.1	35.5	16.1	.0	.0	.0	.0	.0		52.7	
	22+	.0	.0	.7	1.1	.0	.0	.0	.0	.0		1.8	
	TOT %	.0	2.9	50.7	21.4	.0	.0	1.8	.0	.0	.0	76.8	
	TOT OBS												112
	TOT PCT	.9	5.8	65.0	26.6	.0	.0	1.8	.0	.0	.0	100.0	

JANUARY

PERIOD: (PRIMARY) 1951-1970
(OVER-ALL) 1929-1978

AREA 0004 CHRISTMAS AND JARVIS IS.
.9N 157.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	4.3	.0	.0	.0	.0	.0	4.3	95.7	23
06&09	.0	.0	.0	3.8	11.5	.0	.0	.0	.0	.0	15.4	84.6	26
12&15	.0	.0	.0	5.0	5.0	5.0	.0	.0	.0	5.0	20.0	80.0	20
18&21	.0	.0	.0	.0	3.8	.0	.0	.0	.0	.0	3.8	96.2	26
TOT	0	0	0	2	6	1	0	0	0	1	10	85	95
PCT	.0	.0	.0	2.1	6.3	1.1	.0	.0	.0	1.1	10.5	89.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	21.7	78.3	23
06&09	.0	.0	.0	6.1	21.2	72.7	33
12&15	.0	.0	.0	9.5	23.8	66.7	21
18&21	.0	.0	.0	2.9	11.4	85.7	35
TOT	0	0	0	5	21	86	112
PCT	.0	.0	.0	4.5	18.8	76.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND3+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	4.3	95.7	23
06&09	.0	.0	11.5	7.7	80.8	26
12&15	.0	.0	15.8	5.3	78.9	19
18&21	.0	.0	.0	3.8	96.2	26
TOT	0	0	6	5	83	94
PCT	.0	.0	6.4	5.3	88.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	1.0	1.0	.0	.0	.0	.0	2	1.9
85/89	.0	.0	.0	.0	.0	1.9	1.0	.0	3	2.9
80/84	.0	.0	.0	1.0	2.9	9.6	17.3	4.8	37	35.6
75/79	.0	.0	.0	.0	.0	19.2	33.7	4.8	60	57.7
70/74	.0	.0	.0	.0	.0	1.0	1.0	.0	2	1.9
TOTAL	0	0	1	2	3	33	55	10	104	100.0
PCT	.0	.0	1.0	1.9	2.9	31.7	52.9	9.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0
	.0	.0	2.4	.8	.0	.0	.0	.0	.0	.0
	1.0	.5	21.2	12.0	.0	.0	1.0	.0	.0	.0
	.0	2.4	59.2	16.1	.0	.0	.0	.0	.0	.0
	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0
	1.0	2.9	66.6	28.6	.0	.0	1.0	.0	.0	.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	89	88	87	81	77	75	75	81.3	23
06&09	93	92	92	78	75	75	75	79.4	33
12&15	81	80	80	77	74	74	74	77.7	23
18&21	84	83	83	79	76	75	75	79.5	37
TOT	93	92	84	79	75	74	74	79.5	116

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	10.5	47.4	31.6	10.5	79	19
06&09	.0	6.7	.0	30.0	53.3	10.0	80	30
12&15	.0	.0	.0	22.7	63.6	13.6	85	22
18&21	.0	3.0	3.0	30.3	57.6	6.1	81	33
TOT	0	3	3	33	55	10	81	104

JANUARY

PERIOD: (PRIMARY) 1951-1978
(OVER-ALL) 1929-1978

AREA 0004 CHRISTMAS AND JARVIS IS.
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA THP DIF	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
17/19	.0	.0	.0	.0	.0	1.0	1	.0	1.0
14/16	.0	.0	.0	.0	1.0	.0	1	.0	1.0
9/10	.0	.0	1.0	.0	.0	.0	1	.0	1.0
7/8	.0	1.0	.0	1.0	.0	.0	2	.0	2.0
6	.0	.0	.0	1.0	.0	.0	1	.0	1.0
5	.0	.0	.0	.0	1.0	.0	1	.0	1.0
4	.0	5.1	1.0	.0	.0	.0	6	.0	6.1
3	.0	2.0	1.0	.0	.0	.0	3	.0	3.0
2	.0	3.0	3.0	.0	.0	.0	6	.0	6.1
1	1.0	13.1	3.0	1.0	.0	.0	18	.0	18.2
0	2.0	15.2	9.1	.0	.0	.0	26	.0	26.3
-1	3.0	6.1	1.0	.0	.0	.0	10	.0	10.1
-2	1.0	11.1	.0	.0	.0	.0	12	.0	12.1
-3	1.0	4.0	.0	.0	.0	.0	5	.0	5.1
-4	.0	1.0	1.0	.0	.0	.0	2	.0	2.0
-5	.0	3.0	.0	.0	.0	.0	3	.0	3.0
-6	.0	1.0	.0	.0	.0	.0	1	.0	1.0
TOTAL	8		20		2			0	98
PCT	8.1	65.7	20.2	3.0	2.0	1.0	100.0		100.0

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
†OT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	1.8	.0	.0	.0	1.8
5-6	.0	3.6	15.6	.0	.0	.0	19.2
7	.0	.0	2.7	.0	.0	.0	2.7
8-9	.0	.0	1.8	.0	.0	.0	1.8
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
†OT PCT	.0	3.6	21.9	1.8	.0	.0	27.2

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	6.7	5.4	.0	.0	.0	12.1
3-4	.0	6.7	25.4	.0	.0	.0	32.1
5-6	.0	7.1	11.2	.0	.0	.0	18.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	1.8	.0	.0	.0	1.8
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	1.8	.0	.0	.0	1.8
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
†OT PCT	.0	20.5	48.5	.0	.0	.0	68.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	1.8	.0	.0	.0	1.8
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	2.7	.0	.0	.0	2.7
7	.0	.0	1.8	.0	.0	.0	1.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	1.8	.0	.0	1.8
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
†OT PCT	.0	3.6	21.9	1.8	.0	.0	27.2

PERIOD: (OVER-ALL) 1963-1978

JANUARY

AREA 0004 CHRISTMAS AND JARVIS IS. .9N 157.9W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	1.8	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	1.8	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	3.6	.0	.0	.0	.0	3.6	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	1.8	.0	.0	.0	.0	1.8	
1-2	.0	8.9	8.9	.0	.0	.0	17.9	
3-4	.0	10.7	41.1	.0	.0	.0	51.8	
5-6	.0	7.1	14.3	.0	.0	.0	21.4	
7	.0	.0	1.8	.0	.0	.0	1.8	
8-9	.0	.0	1.8	.0	.0	.0	1.8	
10-11	.0	.0	.0	1.8	.0	.0	1.8	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	1.8	.0	.0	.0	1.8	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	28.6	69.6	1.8	.0	.0	100.0	56

PERIOD: (OVER-ALL) 1951-1978

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	2.5	11.1	9.9	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	31	4
6-7	.0	.0	4.9	14.8	4.9	2.5	.0	1.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	6
8-9	.0	.0	8.6	4.9	2.5	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	5
10-11	.0	.0	.0	4.9	4.9	1.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	7
12-13	.0	.0	1.2	1.2	3.7	2.5	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	7
>13	.0	.0	.0	1.2	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	6
INDET	.0	.0	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
TOTAL	0	2	21	30	15	9	1	1	2	0	0	0	0	0	0	0	0	0	0	81	5
PCT	.0	2.5	25.9	37.0	18.5	11.1	1.2	1.2	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1950-1978
(OVER-ALL) 1910-1978

AREA 0004 CHRISTMAS AND JARVIS IS.
.9N 157.8W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	8.1	.0	.0	.0	.0	.0	.0	91.9
E	.0	4.2	1.2	.0	.0	.0	.0	2.5	2.2	.0	.0	.0	.0	.0	.0	95.4
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.8	.8	.0	.0	.0	.0	1.6	2.5	.0	.0	.0	.0	.0	.0	95.9
TOT OBS:	122															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	5.3	.0	.0	.0	.0	.0	5.3	10.5	.0	.0	.0	.0	.0	.0	84.2
06&09	.0	.0	2.6	.0	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	97.4
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18&21	.0	.0	.0	.0	.0	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	97.4
TOT PCT	.0	.8	.8	.0	.0	.0	.0	1.6	2.5	.0	.0	.0	.0	.0	.0	95.9
TOT OBS:	122															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.1	.0	.6	.0	.0	.0		1.7	6.0	.0	.0	1.8	.0	.0	.0	3.8	.0
NE	.4	5.6	5.8	.2	.0	.0		12.0	12.1	11.8	12.5	11.9	.0	9.3	12.5	14.7	.0
E	.0	19.7	47.9	1.3	.0	.0		69.0	13.5	65.8	87.5	74.4	100.0	70.4	87.5	60.3	.0
SE	.0	8.6	8.1	.0	.0	.0		16.7	10.8	22.4	.0	11.9	.0	20.4	.0	19.2	.0
S	.0	.6	.0	.0	.0	.0		.6	10.0	.0	.0	.0	.0	.0	.0	1.9	.0
SW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	2	46	83	2	0	0	133		12.7	19	2	42	2	27	2	39	0
TOT PCT	1.5	34.6	62.4	1.5	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.1	.6	.0	.0	.0		1.7	6.0	.0	1.7	.0	3.8
NE	1.9	6.6	3.6	.0	.0		12.0	12.1	11.9	11.4	9.5	14.7
E	6.0	45.9	17.1	.0	.0		69.0	13.5	67.9	75.6	71.6	60.3
SE	2.3	14.1	.4	.0	.0		16.7	10.8	20.2	11.4	19.0	19.2
S	.0	.6	.0	.0	.0		.6	10.0	.0	.0	.0	1.9
SW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0						.0	.0	.0	.0	.0	.0
TOT OBS	15	90	28	0	0	133		12.7	21	44	29	39
TOT PCT	11.3	67.7	21.1	.0	.0		100.0		100.0	100.0	100.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1950-1978
(OVER-ALL) 1910-1978

AREA 0004 CHRISTMAS AND JARVIS IS.
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00604	.0	.0	42.9	52.4	4.8	.0	.0	12.2	100.0	21
06609	.0	2.3	31.8	63.6	2.3	.0	.0	13.0	100.0	44
12615	.0	.0	37.9	62.1	.0	.0	.0	13.0	100.0	29
18621	.0	2.6	30.8	66.7	.0	.0	.0	12.4	100.0	39
TOT	0	2	46	83	2	0	0	12.7		133
PCT	.0	1.5	34.6	62.4	1.5	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.5	.0	.7	.0		3.0
NE	3.6	5.3	3.9	.0		3.7
E	29.9	19.2	14.1	1.9		3.2
SE	10.7	5.8	2.7	.0		2.7
S	.0	.7	.0	.0		3.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	47	32	22	2	103	3.1
TOT PCT	45.6	31.1	21.4	1.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	1.5	
NE	.0	.0	.0	2.4	1.2	.0	.0	.0	.0	.0	9.2	
E	.0	.0	.0	2.4	4.4	1.0	1.0	.0	.0	.0	56.3	
SE	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0	17.7	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	0	5	8	1	1	0	0	0	88	103
TOT PCT	.0	.0	.0	4.9	7.8	1.0	1.0	.0	.0	.0	85.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
* OR >1000	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
* OR >600	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
* OR >300	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
* OR >150	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
* OR > 0	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
TOTAL	14	14	14	14	14	14	14	14

TOTAL NUMBER OF OBS: 98 PCT FREQ NH <5/8: 85.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
5.6	18.7	34.6	10.8	10.3	6.5	2.8	3.7	.9	.0	107

PERIOD: (PRIMARY) 1950-1978
(OVER-ALL) 1910-1978

AREA 0004 CHRISTMAS AND JARVIS IS, .9N 157.8W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.8	
	TOT %	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.8	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.8	10.4	.6	.0	.0	.0	.0	.0	.0	11.9	
	TOT %	.0	.8	10.4	.6	.0	.0	.0	.0	.0	.0	11.9	
10+	PCP	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	
	NO PCP	1.9	11.2	56.1	16.5	.6	.0	.0	.0	.0	.0	86.4	
	TOT %	1.9	11.2	57.0	16.5	.6	.0	.0	.0	.0	.0	87.3	
	TOT OBS												118
	TOT PCT	1.9	12.9	67.4	17.2	.6	.0	.0	.0	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.8	.0	.0	.0	.0	.0	.0	.0		.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.8	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.6	.2	.0	.0	.0	.0	.0		.8	
	11-21	.0	.8	8.6	.4	.0	.0	.0	.0	.0		9.8	
	22+	.0	.0	.8	.0	.0	.0	.0	.0	.0		.8	
	TOT %	.0	.8	10.0	.6	.0	.0	.0	.0	.0	.0	11.5	
10+	0-3	1.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	1.6	
	4-10	.0	6.1	20.1	9.2	.6	.0	.0	.0	.0		36.1	
	11-21	.6	4.5	37.3	6.8	.0	.0	.0	.0	.0		49.2	
	22+	.0	.2	.6	.0	.0	.0	.0	.0	.0		.8	
	TOT %	1.8	11.3	58.0	16.0	.6	.0	.0	.0	.0	.0	87.7	
	TOT OBS												122
	TOT PCT	1.8	12.9	68.0	16.6	.6	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1950-1978
(OVER-ALL) 1910-1978

AREA 0004 CHRISTMAS AND JARVIS IS.
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	11.1	.0	.0	.0	.0	.0	.0	11.1	88.9	18
06&09	.0	.0	.0	3.0	.0	.0	3.0	.0	.0	.0	6.1	93.9	33
12&15	.0	.0	.0	.0	17.4	.0	.0	.0	.0	.0	17.4	82.6	23
18&21	.0	.0	.0	6.1	12.1	3.0	.0	.0	.0	.0	21.2	78.8	33
TOT	0	0	0	5	8	1	1	0	0	0	15	92	107
PCT	.0	.0	.0	4.7	7.5	.9	.9	.0	.0	.0	14.0	86.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	.0	100.0	20
06&09	.0	.0	2.8	.0	30.6	66.7	36
12&15	.0	.0	.0	.0	3.6	96.4	28
18&21	.0	.0	.0	.0	5.3	94.7	38
TOT	0	0	1	0	14	107	122
PCT	.0	.0	.8	.0	11.5	87.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8),BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <3	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	11.1	.0	88.9	18
06&09	.0	.0	3.8	.0	96.2	26
12&15	.0	.0	.0	18.2	81.8	22
18&21	.0	.0	6.3	15.6	78.1	32
TOT	0	0	5	9	84	98
PCT	.0	.0	5.1	9.2	85.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	2.5	.0	.0	.0	3	2.5
80/84	.0	.0	.0	.0	.0	13.6	14.4	3.4	37	31.4
75/79	.0	.0	.0	.0	.0	16.9	43.2	5.9	78	66.1
TOTAL	0	0	0	0	3	36	68	11	118	100.0
PCT	.0	.0	.0	.0	2.5	30.5	57.6	9.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.2	1.5	.8	.0	.0	.0	.0	.0	.0
	.6	5.3	17.2	8.3	.0	.0	.0	.0	.0	.0
	.0	5.9	50.6	8.9	.6	.0	.0	.0	.0	.0
	.6	11.4	69.3	18.0	.6	.0	.0	.0	.0	.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	86	85	85	80	74	74	74	79.8	20
06&09	82	81	81	79	78	76	76	79.2	43
12&15	82	81	81	78	75	75	75	78.1	27
18&21	86	85	82	79	75	75	75	78.7	39
TOT	86	85	82	79	75	75	74	78.9	129

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	11.8	35.3	41.2	11.8	79	17
06&09	.0	.0	.0	38.5	61.5	.0	81	39
12&15	.0	.0	.0	15.4	69.2	15.4	84	26
18&21	.0	.0	2.8	30.6	52.8	13.9	82	36
TOT	0	0	3	36	68	11	82	118

FEBRUARY

PERIOD: (PRIMARY) 1950-1978
(OVER-ALL) 1910-1978

AREA 0004 CHRISTMAS AND JARVIS IS, .9N 157.8W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
7/8	.0	.0	.0	.9	1	.0	.9
5	.0	1.8	.9	1.8	5	.0	4.4
4	.0	1.8	.0	.0	2	.0	1.8
3	.0	2.6	.9	.0	4	.0	3.5
2	.0	8.8	.0	.0	10	.0	8.8
1	.0	14.9	2.6	.0	20	.0	17.5
0	5.3	15.8	4.4	.0	29	.0	25.4
-1	3.5	14.9	3.5	.0	25	.0	21.9
-2	1.8	5.3	.9	.0	9	.0	7.9
-3	.9	3.5	.0	.0	5	.0	4.4
-4	.9	1.8	.0	.0	3	.0	2.6
-6	.0	.9	.0	.0	1	.0	.9
TOTAL	14	82	15	3	114	0	114
PCT	12.3	71.9	13.2	2.6	100.0		100.0

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	1.3	.0	.0	.0	1.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	1.3	.0	.0	.0	1.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.2	.0	.0	.0	.0	2.2
1-2	.0	2.2	.0	.0	.0	.0	2.2
3-4	.0	3.4	.4	.0	.0	.0	3.9
5-6	.0	1.7	2.2	.0	.0	.0	3.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	1.7	.0	.0	.0	1.7
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	9.5	4.3	.0	.0	.0	13.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.3	.0	.0	.0	.0	1.3
1-2	.0	6.0	6.5	.0	.0	.0	12.5
3-4	.0	6.9	11.2	.0	.0	.0	18.1
5-6	.0	.0	19.8	.0	.0	.0	19.8
7	.0	.0	8.6	.0	.0	.0	8.6
8-9	.0	.0	4.7	.0	.0	.0	4.7
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	14.2	50.9	.0	.0	.0	65.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.2	5.6	.0	.0	.0	7.8
3-4	.0	1.7	.4	.0	.0	.0	2.2
5-6	.0	5.2	2.6	.0	.0	.0	7.8
7	.0	.0	1.7	.0	.0	.0	1.7
8-9	.0	.0	.4	.0	.0	.0	.4
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	9.1	10.8	.0	.0	.0	19.8

PERIOD: (OVER-ALL) 1963-1978 FEBRUARY AREA 0004 CHRISTMAS AND JARVIS IS. .9N 157.8W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	3.4	.0	.0	.0	.0	3.4	
1-2	.0	10.3	12.1	.0	.0	.0	22.4	
3-4	.0	12.1	12.1	.0	.0	.0	24.1	
5-6	.0	6.9	25.9	.0	.0	.0	32.8	
7	.0	.0	10.3	.0	.0	.0	10.3	
8-9	.0	.0	6.9	.0	.0	.0	6.9	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	32.8	67.2	.0	.0	.0	100.0	58

PERIOD: (OVER-ALL) 1950-1978

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	1.3	10.0	17.5	7.5	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	5
6-7	.0	3.8	7.5	17.5	6.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	29	5
8-9	.0	1.3	.0	2.5	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	6
10-11	.0	.0	.0	.0	1.3	3.8	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	9
12-13	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
>13	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	.0	2.5	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	2
TOTAL	0	7	15	33	15	8	1	0	1	0	0	0	0	0	0	0	0	0	0	80	5
PCT	.0	8.8	18.8	41.3	18.8	10.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1938-1977
(OVER-ALL) 1942-1977

AREA 0004 CHRISTMAS AND JARVIS IS,
1.1N 158.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	1.1	1.1	.0	.0	.0	.0	.0	2.1	.0	.0	.0	.0	1.1	.0	.0	96.8
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.7	.7	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.7	.0	97.8	
TOT OBS:	136															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	.0	96.7	
06&09	3.0	.0	.0	.0	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	97.0	
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	
18&21	.0	2.6	.0	.0	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	97.4	
TOT PCT	.7	.7	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.7	.0	97.8	
TOT OBS:	136															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.7	1.1	.0	.0	.0	.0		1.8	4.4	5.0	.0	3.0	.0	.0	.0	.0	.0
NE	.0	3.8	5.6	.0	.0	.0		9.4	11.3	8.3	.0	5.3	.0	10.7	.0	12.8	.0
E	.7	22.3	44.7	2.2	.0	.0		69.9	12.6	69.2	.0	72.7	100.0	72.1	.0	65.4	.0
SE	.0	9.1	4.3	.0	.0	.0		13.4	10.4	17.5	.0	9.8	.0	11.4	.0	15.4	.0
S	.0	.4	1.1	.0	.0	.0		1.4	15.2	.0	.0	.0	.0	1.4	.0	3.8	.0
SW	.0	.4	.7	.0	.0	.0		1.1	12.3	.0	.0	3.0	.0	1.4	.0	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.9							2.9	.0	.0	.0	6.1	.0	2.9	.0	2.6	.0
TOT OBS	6	51	78	3	0	0	138		11.7	30	0	33	1	35	0	39	0
TOT PCT	4.3	37.0	56.5	2.2	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.8	.0	.0	.0	.0		1.8	4.4	5.0	2.9	.0	.0
NE	2.5	6.0	.9	.0	.0		9.4	11.3	8.3	5.1	10.7	12.8
E	10.0	50.4	8.9	.7	.0		69.9	12.6	69.2	73.5	72.1	65.4
SE	2.4	10.0	1.1	.0	.0		13.4	10.4	17.5	9.6	11.4	15.4
S	.0	.7	.7	.0	.0		1.4	15.2	.0	.0	1.4	3.8
SW	.0	1.1	.0	.0	.0		1.1	12.3	.0	2.9	1.4	.0
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.9						2.9	.0	.0	5.9	2.9	2.6
TOT OBS	27	94	16	1	0	138		11.7	30	34	35	39
TOT PCT	19.6	68.1	11.6	.7	.0		100.0		100.0	100.0	100.0	100.0

MARCH

PERIOD: (PRIMARY) 1958-1977
(OVER-ALL) 1942-1977

AREA 0004 CHRISTMAS AND JARVIS IS.
1.1N 158.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	3.3	36.7	60.0	.0	.0	.0	11.7	100.0	30
06&09	5.9	.0	38.2	50.0	5.9	.0	.0	12.1	100.0	34
12&15	2.9	.0	40.0	54.3	2.9	.0	.0	11.4	100.0	35
18&21	2.6	2.6	33.3	61.5	.0	.0	.0	11.6	100.0	39
TOT	4	2	51	78	3	0	0	11.7		138
PCT	2.9	1.4	37.0	56.5	2.2	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.8	.8	.4		4.8
NE	2.7	1.3	2.1	1.3		4.3
E	21.9	19.6	22.1	8.5		4.1
SE	3.8	5.0	1.7	2.7		4.2
S	.0	.4	.8	.4		5.7
SW	.0	.4	.0	.0		3.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.8	.0	2.5	.0		5.0
TOT OBS	35	33	36	16	120	4.2
TOT PCT	29.2	27.5	30.0	13.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	1.7	
NE	.0	.0	.0	1.9	.2	.4	.0	.0	.0	.0	4.8	
E	.0	.0	.0	7.1	5.4	3.8	.0	.0	.0	.0	55.8	
SE	.0	.0	.0	.2	1.0	.4	.0	.0	.0	.0	11.5	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	2.5	
TOT OBS	0	0	0	11	9	6	0	0	0	0	94	120
TOT PCT	.0	.0	.0	9.2	7.5	5.0	.0	.0	.0	.0	78.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	4.2	5.0	5.0	5.0	5.0	5.0	5.0	5.0
* OR >1000	11.8	12.6	12.6	12.6	12.6	12.6	12.6	12.6
* OR >600	16.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
* OR >300	16.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
* OR >150	16.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
* OR > 0	16.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
TOTAL	20	26	26	26	26	26	26	26

TOTAL NUMBER OF OBS: 119 PCT FREQ NH <5/8: 78.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
2.4	14.6	35.0	21.1	4.9	8.1	3.3	6.5	4.1	.0	123

PERIOD: (PRIMARY) 1958-1977
(OVER-ALL) 1942-1977

AREA 0004 CHRISTMAS AND JARVIS IS.
1.1N 158.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7	
	TOT %	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7	
5<10	PCP	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	1.5	
	NO PCP	.7	.0	6.3	.4	.0	.0	.0	.0	.0	.0	7.4	
	TOT %	.7	.0	7.8	.4	.0	.0	.0	.0	.0	.0	8.9	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	1.1	9.6	60.7	13.3	1.5	1.1	.0	.0	.0	3.0	90.4	
	TOT %	1.1	9.6	60.7	13.3	1.5	1.1	.0	.0	.0	3.0	90.4	
	TOT OBS												135
	TOT PCT	1.9	9.6	69.3	13.7	1.5	1.1	.0	.0	.0	3.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.7	.0	.0	.0	.0	.0	.0		.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.7	.0	4.1	.4	.0	.0	.0	.0	.0		5.2	
	11-21	.0	.0	3.0	.0	.0	.0	.0	.0	.0		3.0	
	22+	.0	.0	.7	.0	.0	.0	.0	.0	.0		.7	
	TOT %	.7	.0	7.8	.4	.0	.0	.0	.0	.0	.0	8.9	
10+	0-3	.7	.0	.7	.0	.0	.0	.0	.0	.0	3.0	4.4	
	4-10	.4	3.9	18.7	8.9	.4	.4	.0	.0	.0		32.6	
	11-21	.0	5.7	39.8	4.4	1.1	.7	.0	.0	.0		51.9	
	22+	.0	.0	1.5	.0	.0	.0	.0	.0	.0		1.5	
	TOT %	1.1	9.6	60.7	13.3	1.5	1.1	.0	.0	.0	3.0	90.4	
	TOT OBS												135
	TOT PCT	1.9	9.6	69.3	13.7	1.5	1.1	.0	.0	.0	3.0	100.0	

MARCH

PERIOD: (PRIMARY) 1958-1977
(OVER-ALL) 1942-1977

AREA 0004 CHRISTMAS AND JARVIS IS. 1.1N 158.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	6.9	10.3	.0	.0	.0	.0	17.2	82.8	29
06&09	.0	.0	.0	7.4	11.1	3.7	.0	.0	.0	.0	22.2	77.8	27
12&15	.0	.0	.0	19.4	3.2	6.5	.0	.0	.0	.0	29.0	71.0	31
18&21	.0	.0	.0	8.6	8.6	.0	.0	.0	.0	.0	17.1	82.9	35
TOT	0	0	0	11	9	6	0	0	0	0	26	96	122
PCT	.0	.0	.0	9.0	7.4	4.9	.0	.0	.0	.0	21.3	78.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	3.3	96.7	30
06&09	.0	.0	.0	.0	12.5	87.5	32
12&15	.0	.0	.0	2.9	8.8	88.2	34
18&21	.0	.0	.0	.0	10.3	89.7	39
TOT	0	0	0	1	12	122	135
PCT	.0	.0	.0	.7	8.9	90.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <500YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	17.9	82.1	28
06&09	.0	.0	7.7	15.4	76.9	26
12&15	.0	.0	22.6	9.7	67.7	31
18&21	.0	.0	8.8	8.8	82.4	34
TOT	0	0	12	15	92	119
PCT	.0	.0	10.1	12.6	77.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.0	2.1	1.1	.0	3	3.2
80/84	.0	.0	.0	.0	.0	11.7	25.5	4.3	39	41.5
75/79	.0	.0	.0	.0	.0	5.3	37.2	11.7	51	54.3
70/74	.0	.0	.0	.0	.0	.0	.0	1.1	1	1.1
TOTAL	0	0	0	0	0	18	60	16	94	100.0
PCT	.0	.0	.0	.0	.0	19.1	63.8	17.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	2.1	1.1	.0	.0	.0	.0	.0	.0
1.1	6.1	27.6	3.7	.5	1.6	.0	.0	.0	1.1
.0	2.7	41.8	8.8	.0	.0	.0	.0	.0	1.1
.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0
1.1	9.8	71.3	13.6	.5	1.6	.0	.0	.0	2.1

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	88	87	86	81	79	78	78	81.5	30
06&09	83	82	82	79	77	75	75	79.4	34
12&15	82	81	80	79	75	74	74	78.4	35
18&21	84	83	93	80	78	74	74	79.9	39
TOT	88	86	84	79	77	74	74	79.8	138

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	.0	47.1	47.1	5.9	80	17
06&09	.0	.0	.0	21.7	65.2	13.0	84	23
12&15	.0	.0	.0	.0	81.5	18.5	86	27
18&21	.0	.0	.0	10.5	55.6	25.9	85	27
TOT	0	0	0	18	60	16	84	94

MARCH

PERIOD: (PRIMARY) 1958-1977
(OVER-ALL) 1942-1977

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
7/8	.0	.0	.9	.0	1	.0	.9
5	.0	.0	.0	1.7	2	.0	1.7
4	.0	.0	1.7	.0	2	.0	1.7
3	.0	.0	.9	.0	1	.0	.9
2	.0	.9	4.3	.9	7	.0	6.0
1	.0	6.0	2.6	.0	10	.0	8.6
0	.0	13.8	6.9	.0	24	.0	20.7
-1	.0	22.4	6.0	.0	33	.0	28.4
-2	.0	7.8	4.3	.0	14	.0	12.1
-3	.0	12.1	.9	.0	15	.0	12.9
-4	.0	.9	.0	.0	1	.0	.9
-5	.0	1.7	.0	.0	2	.0	1.7
-6	.9	.9	.0	.0	2	.0	1.7
-7/-8	.0	.9	.0	.0	1	.0	.9
-9/-10	.0	.9	.0	.0	1	.0	.9
TOTAL	1	79	33	3	116	0	116
PCT	.9	68.1	28.4	2.6	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	2.1	.0	.0	.0	.0	.0	2.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.1	.0	.0	.0	.0	.0	2.1

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.1	2.1	.0	.0	.0	4.2
3-4	.0	.0	6.8	.0	.0	.0	6.8
5-6	.0	.0	.5	.0	.0	.0	.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.1	9.4	.0	.0	.0	11.5

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.1	.0	.0	.0	.0	.0	2.1
1-2	.0	5.7	5.7	.0	.0	.0	11.5
3-4	.0	5.7	39.1	.0	.0	.0	44.8
5-6	.0	2.1	14.1	.0	.0	.0	16.1
7	.0	.0	2.1	2.1	.0	.0	4.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.1	13.5	60.9	2.1	.0	.0	78.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.5	.5	.0	.0	.0	1.0
3-4	.0	.5	6.3	.0	.0	.0	6.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.0	6.8	.0	.0	.0	7.8

PERIOD: (OVER-ALL) 1963-1977 MARCH AREA 0004 CHRISTMAS AND JARVIS IS. 1.1N 158.0W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.1	.0	.0	.0	.0	.0	2.1	
1-2	2.1	8.3	8.3	.0	.0	.0	18.8	
3-4	.0	6.3	52.1	.0	.0	.0	58.3	
5-6	.0	2.1	14.6	.0	.0	.0	16.7	
7	.0	.0	2.1	2.1	.0	.0	4.2	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								48
TOT PCT	4.2	16.7	77.1	2.1	.0	.0	100.0	

PERIOD: (OVER-ALL) 1950-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	8.0	12.0	4.0	6.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	31	4
6-7	.0	1.0	15.0	12.0	3.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	32	5
8-9	.0	.0	.0	1.0	8.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	7
10-11	.0	1.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
12-13	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	1	20
INDET	15.0	1.0	2.0	2.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	2
TOTAL	15	11	27	20	18	8	0	0	0	0	1	0	0	0	0	0	0	0	0	100	4
PCT	15.0	11.0	27.0	20.0	18.0	8.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1951-1977
(OVER-ALL) 1896-1977

AREA 0004 CHRISTMAS AND JARVIS IS.
1.1N 158.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	5.3	.0	.0	.0	.0	.0	.0	5.3	6.7	.0	5.3	.0	.0	.0	.0	82.7
E	3.0	3.0	.0	.0	.0	.0	.0	5.9	4.1	.0	.0	.0	.0	.0	.0	90.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.0	2.0	.0	.0	.0	.0	.0	5.0	4.0	.0	1.0	.0	.0	.0	.0	90.1
TOT OBS:	101															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	7.4	.0	.0	.0	.0	.0	.0	92.6
06&09	3.1	3.1	.0	.0	.0	.0	.0	6.3	.0	.0	.0	.0	.0	.0	.0	93.8
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18&21	7.1	3.6	.0	.0	.0	.0	.0	10.7	7.1	.0	3.6	.0	.0	.0	.0	78.6
TOT PCT	2.9	2.0	.0	.0	.0	.0	.0	4.9	3.9	.0	1.0	.0	.0	.0	.0	90.2
TOT OBS:	102															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.9	.7	.0	.0	.0	.0		1.5	2.8	.0	.0	2.3	.0	6.7	.0	.0	.0
NE	.0	7.7	10.5	.0	.0	.0		18.2	11.6	26.0	20.0	15.2	.0	16.7	.0	20.7	.0
E	.0	30.3	36.8	.0	.0	.0		67.1	10.8	58.3	59.0	67.4	100.0	60.0	100.0	79.0	75.0
SE	.9	9.5	6.1	.0	.0	.0		12.5	10.2	13.6	29.0	15.2	.0	16.7	.0	4.3	10.0
S	.0	.7	.0	.0	.0	.0		.7	5.0	.0	.0	.0	.0	.0	.0	.0	15.0
SW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	2	51	61	0	0	0	114		10.7	24	5	33	2	15	1	29	5
TOT PCT	1.8	44.7	53.5	.0	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.5	.0	.0	.0	.0		1.5	2.8	.0	2.1	6.3	.0
NE	1.5	14.9	2.0	.0	.0		18.2	11.6	23.0	14.3	15.6	17.4
E	12.5	51.3	3.3	.0	.0		67.1	10.8	57.8	69.3	62.5	75.0
SE	3.3	9.2	.0	.0	.0		12.5	10.2	17.2	14.3	15.6	5.1
S	.7	.0	.0	.0	.0		.7	5.0	.0	.0	.0	2.2
SW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0						.0	.0	.0	.0	.0	.0
TOT OBS	22	86	6	0	0	114		10.7	29	35	16	34
TOT PCT	19.3	75.4	5.3	.0	.0		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1951-1977
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	34.5	65.5	.0	.0	.0	11.4	100.0	29
06&09	.0	2.9	51.4	45.7	.0	.0	.0	10.3	100.0	35
12&15	.0	6.3	62.5	31.3	.0	.0	.0	9.0	100.0	16
18&21	.0	.0	38.2	61.8	.0	.0	.0	11.5	100.0	34
TOT	0	2	51	61	0	0	0	10.7		114
PCT	.0	1.8	44.7	53.5	.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.9	.0	.0	.0		1.0
NE	4.6	5.5	7.2	1.7		4.1
E	19.5	19.5	20.1	7.5		4.1
SE	3.7	6.0	2.9	.0		3.5
S	.0	.0	.9	.0		5.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	25	27	27	8	87	4.0
TOT PCT	28.7	31.0	31.0	9.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	
NE	.0	.0	.0	2.6	3.4	.3	.0	.0	.0	.0	12.6	
E	.0	.0	5.7	4.3	8.0	.9	.9	.0	.0	.0	48.8	
SE	.0	.0	.0	.0	.3	1.1	.3	.0	.0	.0	10.9	
S	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	5	6	11	2	1	0	0	0	62	87
TOT PCT	.0	.0	5.7	6.9	12.6	2.3	1.1	.0	.0	.0	71.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
* OR >2000	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
* OR >1000	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9
* OR >600	18.2	21.6	22.7	22.7	22.7	22.7	22.7	22.7
* OR >300	19.3	26.1	28.4	28.4	28.4	28.4	28.4	28.4
* OR >150	19.3	26.1	28.4	28.4	28.4	28.4	28.4	28.4
* OR > 0	19.3	26.1	28.4	28.4	28.4	28.4	28.4	28.4
TOTAL	17	23	25	25	25	25	25	25

TOTAL NUMBER OF OBS: 88 PCT FREQ NH <5/8: 71.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.2	10.1	20.9	17.2	9.7	12.9	7.5	4.3	2.2 .0	93

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	2.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	2.0	
5<10	PCP	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	
	NO PCP	.0	3.2	12.1	.5	.0	.0	.0	.0	.0	.0	15.8	
	TOT %	.0	3.2	13.1	.5	.0	.0	.0	.0	.0	.0	16.8	
10+	PCP	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	2.0	
	NO PCP	1.7	14.4	50.5	11.9	.7	.0	.0	.0	.0	.0	79.2	
	TOT %	1.7	14.4	52.5	11.9	.7	.0	.0	.0	.0	.0	81.2	
	TOT OBS												101
	TOT PCT	1.7	18.6	66.6	12.4	.7	.0	.0	.0	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	1.0	1.0	.0	.0	.0	.0	.0	.0		2.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	2.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	1.0	3.4	.5	.0	.0	.0	.0	.0		4.9	
	11-21	.0	2.2	9.6	.0	.0	.0	.0	.0	.0		11.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	3.2	13.0	.5	.0	.0	.0	.0	.0	.0	16.7	
10+	0-3	1.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	2.0	
	4-10	.7	7.6	26.0	5.1	.7	.0	.0	.0	.0		40.2	
	11-21	.0	6.6	27.0	5.6	.0	.0	.0	.0	.0		39.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.7	14.2	52.9	11.8	.7	.0	.0	.0	.0	.0	81.4	
	TOT OBS												102
	TOT PCT	1.7	18.4	66.9	12.3	.7	.0	.0	.0	.0	.0	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCUARENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	3.7	7.4	14.8	.0	3.7	.0	.0	.0	29.6	70.4	27
06&09	.0	.0	7.4	3.7	7.4	.0	.0	.0	.0	.0	18.5	81.5	27
12&15	.0	.0	.0	6.7	6.7	6.7	.0	.0	.0	.0	20.0	80.0	15
18&21	.0	.0	8.3	8.3	16.7	4.2	.0	.0	.0	.0	37.5	62.5	24
TOT	0	0	5	6	11	2	1	0	0	0	25	68	93
PCT	.0	.0	5.4	6.5	11.8	2.2	1.1	.0	.0	.0	26.9	73.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	7.4	92.6	27
06&09	.0	.0	.0	3.1	18.8	78.1	32
12&15	.0	.0	.0	.0	20.0	80.0	15
18&21	.0	.0	.0	3.4	20.7	75.9	29
TOT	0	0	0	2	17	84	103
PCT	.0	.0	.0	1.9	16.5	81.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	3.7	11.1	18.5	70.4	27
06&09	.0	8.7	13.0	8.7	78.3	23
12&15	.0	.0	7.1	14.3	78.6	14
18&21	.0	8.3	16.7	20.8	62.5	24
TOT	0	3	11	14	63	88
PCT	.0	5.7	12.5	15.9	71.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.0	4.5	.0	1.1	5	5.6
80/84	.0	.0	.0	.0	.0	10.1	48.3	13.5	64	71.9
75/79	.0	.0	.0	.0	.0	.0	7.9	14.6	20	22.5
TOTAL	0	0	0	0	0	13	50	26	89	
PCT	.0	.0	.0	.0	.0	14.6	56.2	29.2		100.0

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	1.1	4.5	.0	.0	.0	.0	.0	.0	.0
.0	15.2	42.7	13.2	.8	.0	.0	.0	.0	.0
.8	1.1	18.8	1.7	.0	.0	.0	.0	.0	.0
.8	17.4	66.0	14.9	.8	.0	.0	.0	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	88	87	87	82	79	78	78	82.3	30
06&09	83	82	82	81	78	77	77	80.6	35
12&15	83	82	82	79	77	77	77	79.6	16
18&21	86	85	82	81	77	77	77	80.6	33
TOT	88	87	84	81	78	77	77	80.9	114

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	.0	28.6	53.6	17.9	84	28
06&09	.0	.0	.0	7.4	55.6	37.0	87	27
12&15	.0	.0	.0	7.7	61.5	30.8	87	13
18&21	.0	.0	.0	9.1	59.1	31.8	86	22
TOT	0	0	0	13	51	26	86	90

APRIL

PERIOD: (PRIMARY) 1951-1977
(OVER-ALL) 1896-1977

TABLE 17

AREA 0004 CHRISTMAS AND JARVIS IS.
1.1N 158.0W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA THP DIF	77 90	81 84	85 88	TOT	N FOG	WD FOG
7/8	.0	1.1	.0	1	.0	1.1
5	.0	.0	1.1	1	.0	1.1
4	.0	1.1	2.2	3	.0	3.3
3	.0	2.2	.0	2	.0	2.2
2	1.1	2.2	1.1	4	.0	4.4
1	1.1	11.1	.0	11	.0	12.2
0	8.9	13.6	.0	22	.0	24.4
-1	5.6	7.8	1.1	13	.0	14.4
-2	10.0	8.9	.0	17	.0	18.9
-3	7.8	1.1	.0	8	.0	8.9
-4	3.3	1.1	.0	4	.0	4.4
-5	3.3	.0	.0	3	.0	3.3
-7/-8	1.1	.0	.0	1	.0	1.1
TOTAL	38	47	5	90	0	90
PCT	42.2	52.2	5.6	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.2	6.7	.0	.0	.0	8.9
3-4	.0	.6	.0	.0	.0	.0	.6
5-6	.0	1.1	.6	.0	.0	.0	1.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.9	7.2	.0	.0	.0	11.1

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	6.7	.0	.0	.0	.0	6.7
1-2	.0	13.3	11.1	.0	.0	.0	24.4
3-4	.0	1.7	8.9	.0	.0	.0	10.6
5-6	.0	3.3	7.8	.0	.0	.0	11.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	4.4	8.9	.0	.0	.0	13.3
10-11	.0	.0	6.7	.0	.0	.0	6.7
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	29.4	43.3	.0	.0	.0	72.8

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.4	2.2	.0	.0	.0	6.7
3-4	.0	2.8	4.4	.0	.0	.0	7.2
5-6	.0	.0	.6	.0	.0	.0	.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.2	7.2	.0	.0	.0	14.4

PERIOD: (OVER-ALL) 1964-1977

APRIL

AREA 0004 CHRISTMAS AND JARVIS IS.
1.1N 158.0W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	1.7	.0	.0	.0	.0	1.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.7	.0	.0	.0	.0	1.7

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	6.5	.0	.0	.0	.0	6.5	
1-2	.0	21.7	19.6	.0	.0	.0	41.3	
3-4	.0	6.5	13.0	.0	.0	.0	19.6	
5-6	.0	4.3	8.7	.0	.0	.0	13.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	4.3	8.7	.0	.0	.0	13.0	
10-11	.0	.0	6.5	.0	.0	.0	6.5	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	43.5	56.5	.0	.0	.0	100.0	46

PERIOD: (OVER-ALL) 1953-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.7	13.3	20.0	5.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	27	3
6-7	.0	.0	3.3	5.0	5.0	11.7	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	7
8-9	.0	.0	10.0	5.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	4
10-11	.0	.0	.0	1.7	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	6
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	1.7	1.7	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3
TOTAL	1	9	21	11	8	7	3	0	0	0	0	0	0	0	0	0	0	0	0	60	5
PCT	1.7	15.0	35.0	18.3	13.3	11.7	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MAY

PERIOD: (PRIMARY) 1950-1977
(OVER-ALL) 1863-1977

AREA 0004 CHRISTMAS AND JARVIS IS.
.9N 158.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NE	2.7	.0	5.5	.0	.0	.0	.0	8.2	.0	2.7	.0	.0	.0		.0	91.8
E	.6	1.3	.0	.0	.0	.0	.0	1.9	1.3	.6	.0	.0	.0		.0	96.8
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
TOT PCT	.8	.8	.8	.0	.0	.0	.0	2.3	.8	.8	.0	.0	.0		.0	97.0
TOT OBS: 132																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
0003	.0	.0	.0	.0	.0	.0	.0	.0	2.9	.0	.0	.0	.0		.0	97.1
0609	2.9	.0	2.9	.0	.0	.0	.0	5.9	.0	2.9	.0	.0	.0		.0	94.1
1215	.0	3.0	.0	.0	.0	.0	.0	3.0	.0	.0	.0	.0	.0		.0	97.0
1821	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	.8	.8	.8	.0	.0	.0	.0	2.3	.8	.8	.0	.0	.0		.0	97.0
TOT OBS: 133																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.7	.0	.0	.0	.0		.7	9.0	.0	5.0	1.3	.0	.0	.0	.0	.0
NE	.8	5.8	5.4	.0	.0	.0		12.0	10.4	17.0	10.0	16.0	.0	8.7	10.0	9.6	.0
E	1.2	14.5	36.0	2.0	.0	.0		53.6	12.8	42.9	70.0	46.8	66.7	62.0	75.0	54.4	40.0
SE	.7	18.6	11.8	.0	.0	.0		31.1	9.9	33.0	15.0	33.3	33.3	29.3	15.0	33.1	60.0
S	.0	1.3	.0	.0	.0	.0		1.3	7.0	.0	.0	2.6	.0	.0	.0	2.9	.0
SW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.7	.0	.0	.0	.0		.7	8.0	3.6	.0	.0	.0	.0	.0	.0	.0
NW	.0	.7	.0	.0	.0	.0		.7	6.0	3.6	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	4	64	81	3	0	0	152		11.5	28	10	39	3	23	10	34	5
TOT PCT	2.6	42.1	53.3	2.0	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	.7	.0	.0	.0		.7	9.0	1.3	1.2	.0	.0
NE	1.5	9.7	.8	.0	.0		12.0	10.4	15.1	14.9	9.1	8.3
E	4.4	39.0	10.2	.0	.0		53.6	12.8	50.0	48.2	65.9	52.6
SE	7.2	21.7	2.1	.0	.0		31.1	9.9	28.3	33.3	25.0	36.5
S	.7	.7	.0	.0	.0		1.3	7.0	.0	2.4	.0	2.6
SW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
W	.0	.7	.0	.0	.0		.7	8.0	2.6	.0	.0	.0
NW	.7	.0	.0	.0	.0		.7	6.0	2.6	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0						.0	.0	.0	.0	.0	.0
TOT OBS	22	110	20	0	0	152		11.5	38	42	33	39
TOT PCT	14.5	72.4	13.2	.0	.0		100.0		100.0	100.0	100.0	100.0

MAY

PERIOD: (PRIMARY) 1950-1977
(OVER-ALL) 1803-1977

AREA 0004 CHRISTMAS AND JARVIS IS.
.9N 158.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	2.6	36.8	60.5	.0	.0	.0	11.7	100.0	38
06&09	.0	4.8	57.1	35.7	2.4	.0	.0	10.0	100.0	42
12&15	.0	.0	36.4	57.6	6.1	.0	.0	12.0	100.0	33
18&21	.0	2.6	35.9	61.5	.0	.0	.0	12.2	100.0	39
TOT	0	4	64	81	3	0	0	11.5		152
PCT	.0	2.6	42.1	53.3	2.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	3.9	4.6	5.3	1.8		4.2
E	25.4	16.2	14.1	3.9		3.6
SE	7.4	8.8	4.6	4.2		4.0
S	.0	.0	.0	.0		.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	26	21	17	7	71	3.8
TOT PCT	36.6	29.6	23.9	9.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	1.4	2.8	1.4	.4	.0	.0	.0	9.5	
E	1.4	.0	1.4	.0	3.9	.0	1.1	.0	.0	.0	51.8	
SE	.0	.0	.0	1.4	4.6	.0	2.8	.0	.0	.0	16.2	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	1	0	1	2	8	1	3	0	0	0	55	71
TOT PCT	1.4	.0	1.4	2.8	11.3	1.4	4.2	.0	.0	.0	77.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) • OR >10	• OR >5	• OR >2	• OR >1	• OR >1/2	• OR >1/4	• OR >30YD	• OR >0
• OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
• OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
• OR >3500	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
• OR >2000	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
• OR >1000	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
• OR >600	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7
• OR >300	19.7	19.7	19.7	21.1	21.1	21.1	21.1	21.1
• OR >150	19.7	19.7	19.7	21.1	21.1	21.1	21.1	21.1
• OR > 0	21.1	21.1	21.1	22.5	22.5	22.5	22.5	22.5
TOTAL	15	15	15	16	16	16	16	16

TOTAL NUMBER OF OBS: 71 PCT FREQ NH <5/8: 77.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
6.6	9.2	28.9	25.0	5.3	3.9	9.2	3.9	7.9 .0	76

MAY

PERIOD: (PRIMARY) 1950-1977
(OVER-ALL) 1863-1977

AREA 0004 CHRISTMAS AND JARVIS IS, .9N 158.2W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	
	TOT %	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.2	.6	.0	.0	.0	.0	.0	.0	.0	.8	
	TOT %	.0	.2	.6	.0	.0	.0	.0	.0	.0	.0	.8	
5<10	PCP	.0	1.1	.4	.0	.0	.0	.0	.0	.0	.0	1.5	
	NO PCP	.0	1.1	8.0	.8	.0	.0	.0	.0	.0	.0	9.8	
	TOT %	.0	2.3	8.3	.8	.0	.0	.0	.0	.0	.0	11.4	
10+	PCP	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	
	NO PCP	.8	11.4	48.9	24.6	.8	.0	.0	.0	.0	.0	86.4	
	TOT %	.8	11.4	49.6	24.6	.8	.0	.0	.0	.0	.0	87.1	
	TOT OBS												132
	TOT PCT	.8	13.8	59.3	25.4	.8	.0	.0	.0	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.8	.0	.0	.0	.0	.0	.0		.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.2	.6	.0	.0	.0	.0	.0	.0		.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.2	.6	.0	.0	.0	.0	.0	.0	.0	.8	
5<10	0-3	.0	.8	.8	.0	.0	.0	.0	.0	.0	.0	1.5	
	4-10	.0	.4	2.7	.0	.0	.0	.0	.0	.0		3.0	
	11-21	.0	1.1	4.9	.8	.0	.0	.0	.0	.0		6.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	2.3	8.3	.8	.0	.0	.0	.0	.0	.0	11.4	
10+	0-3	.0	.2	.6	.8	.0	.0	.0	.0	.0	.0	1.5	
	4-10	.8	6.3	13.4	14.4	.8	.0	.0	.0	.0		35.6	
	11-21	.0	4.9	33.3	9.5	.0	.0	.0	.0	.0		47.7	
	22+	.0	.0	2.3	.0	.0	.0	.0	.0	.0		2.3	
	TOT %	.8	11.4	49.6	24.6	.8	.0	.0	.0	.0	.0	87.1	
	TOT OBS												132
	TOT PCT	.8	13.8	59.3	25.4	.8	.0	.0	.0	.0	.0	100.0	

MAY

PERIOD: (PRIMARY) 1950-1977
(OVER-ALL) 1863-1977

AREA 0004 CHRISTMAS AND JARVIS IS, .9N 158.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	5.3	5.3	10.5	.0	.0	.0	.0	.0	21.1	78.9	19
06&09	.0	.0	.0	.0	5.0	5.0	15.0	.0	.0	.0	25.0	75.0	20
12&15	.0	.0	.0	6.7	6.7	.0	.0	.0	.0	.0	13.3	86.7	15
18&21	5.3	.0	.0	.0	21.1	.0	.0	.0	.0	.0	26.3	73.7	19
TOT	1	0	1	2	8	1	3	0	0	0	16	57	73
PCT	1.4	.0	1.4	2.7	11.0	1.4	4.1	.0	.0	.0	21.9	78.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	2.9	.0	14.7	82.4	34
06&09	.0	.0	.0	.0	11.8	88.2	34
12&15	.0	.0	.0	.0	12.1	87.9	33
18&21	.0	.0	.0	3.1	6.3	90.6	32
TOT	0	0	1	1	15	116	133
PCT	.0	.0	.8	.8	11.3	87.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	5.6	11.1	11.1	77.8	18
06&09	.0	.0	.0	25.0	75.0	20
12&15	.0	.0	7.1	7.1	85.7	14
18&21	5.3	5.3	10.5	21.1	68.4	19
TOT	1	2	5	12	54	71
PCT	1.4	2.8	7.0	16.9	76.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.0	2.8	.9	.0	4	3.7
80/84	.0	.0	.0	.0	1.8	32.1	31.2	1.8	73	67.0
75/79	.0	.0	.0	.0	.0	3.7	22.9	.9	30	27.5
70/74	.0	.0	.0	.0	.0	.0	.0	1.8	2	1.8
TOTAL	0	0	0	0	2	42	60	5	109	100.0
PCT	.0	.0	.0	.0	1.8	38.5	55.0	4.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	1.6	2.1	.0	.0	.0	.0	.0	.0
.5	6.9	36.0	20.9	.9	.0	.9	.9	.0	.0
.5	4.4	16.5	6.2	.0	.0	.0	.0	.0	.0
.0	.0	1.6	.2	.0	.0	.0	.0	.0	.0
.9	11.2	55.7	29.4	.9	.0	.9	.9	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	86	85	85	82	79	79	79	81.9	38
06&09	85	84	82	80	78	74	74	80.2	42
12&15	82	81	81	79	77	76	76	79.4	33
18&21	84	83	83	80	78	74	74	80.5	39
TOT	86	85	84	81	78	74	74	80.5	152

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	.0	70.4	29.6	.0	77	27
06&09	.0	.0	.0	21.4	71.4	7.1	83	28
12&15	.0	.0	3.6	25.0	67.9	3.6	82	28
18&21	.0	.0	3.7	40.7	48.1	7.4	81	27
TOT	0	0	2	43	60	5	81	110

PERIOD: (PRIMARY) 1950-1977
(OVER-ALL) 1963-1977

AREA 0004 CHRISTMAS AND JARVIS IS. .9N 158.2W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
4	.0	.0	.0	.9	1	.0	.9
3	.0	.0	.9	.0	1	.0	.9
2	.0	.9	5.6	.9	8	.0	7.5
1	.0	2.8	10.3	.0	14	.0	13.1
0	.0	6.5	13.1	1.9	23	.0	21.5
-1	.0	13.1	11.2	.0	26	.0	24.3
-2	.9	9.3	2.8	.0	14	.0	13.1
-3	.0	6.5	3.7	.0	11	.0	10.3
-4	1.9	4.7	.9	.0	8	.0	7.5
-5	.0	.9	.0	.0	1	.0	.9
TOTAL	3		52			0	107
		48		4	107		
PCT	2.8	44.9	48.6	3.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	5.9	2.6	.0	.0	.0	8.6
3-4	.0	2.6	.7	.0	.0	.0	3.3
5-6	.0	.0	2.6	.0	.0	.0	2.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	8.6	5.9	.0	.0	.0	14.5

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	5.3	.0	.0	.0	.0	5.3
1-2	.0	9.9	5.3	.0	.0	.0	15.1
3-4	.0	2.6	13.8	.0	.0	.0	16.4
5-6	.0	.0	21.1	.0	.0	.0	21.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	17.8	40.1	.0	.0	.0	57.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.6	5.3	.0	.0	.0	.0	7.9
1-2	.0	10.5	2.6	.0	.0	.0	13.2
3-4	.0	.0	1.3	.0	.0	.0	1.3
5-6	.0	.0	5.3	.0	.0	.0	5.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.6	15.8	9.2	.0	.0	.0	27.6

PERIOD: (OVER-ALL) 1962-1977

MAY

TABLE 18 (CONT)

AREA 0004 CHRISTMAS AND JARVIS IS. .9N 158.2W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.6	10.5	.0	.0	.0	.0	13.2	
1-2	.0	26.3	10.5	.0	.0	.0	36.8	
3-4	.0	5.3	15.8	.0	.0	.0	21.1	
5-6	.0	.0	28.9	.0	.0	.0	28.9	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.6	42.1	55.3	.0	.0	.0	100.0	38

PERIOD: (OVER-ALL) 1952-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	5.1	18.6	8.5	10.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	3
6-7	.0	.0	3.4	5.1	3.4	1.7	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	6
8-9	.0	1.7	6.8	1.7	3.4	3.4	1.7	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	6
10-11	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
12-13	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	6.8	.0	3.4	1.7	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	3
TOTAL	7	12	14	13	6	3	3	0	1	0	0	0	0	0	0	0	0	0	0	59	4
PCT	11.9	20.3	23.7	22.0	10.2	5.1	5.1	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1954-1977
(OVER-ALL) 1879-1977

AREA 0004 CHRISTMAS AND JARVIS IS.
.8N 159.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW BLWG	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	9.8	.0	.0	.0	.0	.0	9.8	9.8	.0	.0	.0	.0	.0	.0	80.5
E	.0	2.7	.0	.0	.0	.0	.0	2.7	2.7	.0	.0	.0	.0	.0	.0	94.6
SE	1.5	1.5	.0	.0	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	96.9
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.6	2.6	.0	.0	.0	.0	.0	3.2	1.9	.0	.0	.0	.0	.0	.0	94.9
TOT OBS:	156															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW BLWG	NO SIG WEA
00&03	.0	4.3	.0	.0	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	95.7
06&09	.0	2.3	.0	.0	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	97.7
12&15	3.7	3.7	.0	.0	.0	.0	.0	7.4	7.4	.0	.0	.0	.0	.0	.0	85.2
18&21	.0	.0	.0	.0	.0	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	97.5
TOT PCT	.6	2.6	.0	.0	.0	.0	.0	3.2	1.9	.0	.0	.0	.0	.0	.0	94.9
TOT OBS:	156															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.2	4.0	1.1	.0	.0	.0		6.3	9.6	4.5	4.2	4.7	25.0	15.6	20.0	2.6	.0
E	1.1	20.6	25.3	.6	.0	.0		47.6	11.3	47.7	62.5	48.3	75.0	60.4	40.0	34.0	100.0
SE	1.2	20.4	19.7	.0	.0	.0		41.3	10.4	46.0	33.3	40.7	.0	24.0	20.0	54.5	.0
S	.0	2.1	.3	.0	.0	.0		2.4	8.1	1.7	.0	4.1	.0	.0	.0	3.8	.0
SW	.0	1.2	.0	.0	.0	.0		1.2	8.0	.0	.0	.0	.0	.0	20.0	2.6	.0
W	.6	.0	.0	.0	.0	.0		.6	2.0	.0	.0	2.3	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.6							.6	.0	.0	.0	.0	.0	.0	.0	2.6	.0
TOT OBS	6	81	76	1	0	0	164		10.6	44	6	43	1	24	5	39	2
TOT PCT	3.7	49.4	46.3	.6	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NE	.9	5.0	.3	.0	.0		6.3	9.6	4.5	5.1	16.4	2.4
E	5.9	35.1	6.6	.0	.0		47.6	11.3	49.5	48.9	56.9	37.2
SE	9.8	28.4	3.2	.0	.0		41.3	10.4	44.5	39.8	23.3	51.8
S	.5	1.7	.3	.0	.0		2.4	8.1	1.5	4.0	.0	3.7
SW	.0	1.2	.0	.0	.0		1.2	8.0	.0	.0	3.4	2.4
W	.6	.0	.0	.0	.0		.6	2.0	.0	2.3	.0	.0
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.6						.6	.0	.0	.0	.0	2.4
TOT OBS	30	117	17	0	0	164		10.6	90	44	29	41
TOT PCT	18.3	71.3	10.4	.0	.0		100.0		100.0	100.0	100.0	100.0

JUNE

PERIOD: (PRIMARY) 1956-1977
(OVER-ALL) 1879-1977

AREA 0004 CHRISTMAS AND JARVIS IS. .8N 158.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	54.0	46.0	.0	.0	.0	11.4	100.0	50
06&09	.0	4.5	52.3	40.9	2.3	.0	.0	10.1	100.0	44
12&15	.0	3.4	51.7	44.8	.0	.0	.0	9.8	100.0	29
18&21	2.4	4.9	39.0	53.7	.0	.0	.0	10.7	100.0	41
TOT	1	5	81	76	1	0	0	10.6		164
PCT	.6	3.0	49.4	46.3	.6	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	4.5	.8	.0	2.0		3.5
E	20.7	13.5	10.7	2.0		3.2
SE	22.5	6.1	12.7	1.0		3.1
S	.0	1.6	.0	.6		5.0
SW	.0	.0	.0	.8		8.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.8		8.0
TOT OBS	61	28	30	9	128	3.3
TOT PCT	47.7	21.9	23.4	7.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	1.0	.8	.0	.0	.0	.0	.0	5.5	
E	.0	.0	.0	2.1	1.6	.0	.0	.0	.0	.0	43.2	
SE	.0	.0	.0	3.1	3.3	2.3	.0	.0	.0	.0	33.4	
S	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	1.6	
SW	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	0	9	8	4	0	0	0	0	107	128
TOT PCT	.0	.0	.0	7.0	6.3	3.1	.0	.0	.0	.0	83.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	2.3	3.1	3.1	3.1	3.1	3.1	3.1	3.1
* OR >1000	8.6	9.4	9.4	9.4	9.4	9.4	9.4	9.4
* OR >600	14.1	16.4	16.4	16.4	16.4	16.4	16.4	16.4
* OR >300	14.1	16.4	16.4	16.4	16.4	16.4	16.4	16.4
* OR >150	14.1	16.4	16.4	16.4	16.4	16.4	16.4	16.4
* OR > 0	14.1	16.4	16.4	16.4	16.4	16.4	16.4	16.4
TOTAL	18	21	21	21	21	21	21	21

TOTAL NUMBER OF OBS: 128 PCT FREQ NH <5/8: 83.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
11.2	23.9	24.6	14.2	9.7	4.5	6.7	1.5	3.7	.0	134

PERIOD: (PRIMARY) 1954-1977
(OVER-ALL) 1879-1977

AREA 0004 CHRISTMAS AND JARVIS IS. .8N 158.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.6	
	TOT %	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.6	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.6	.6	.6	.0	.0	.0	.0	.0	.0	1.9	
	NO PCP	.0	.3	5.1	5.1	.3	.6	.6	.0	.0	.0	12.2	
	TOT %	.0	1.0	5.8	5.8	.3	.6	.6	.0	.0	.0	14.1	
10+	PCP	.0	.0	.6	.6	.0	.0	.0	.0	.0	.0	1.3	
	NO PCP	.0	5.6	40.4	35.6	1.8	.0	.0	.0	.0	.6	84.0	
	TOT %	.0	5.6	41.0	36.2	1.8	.0	.0	.0	.0	.6	85.3	
	TOT OBS												156
	TOT PCT	.0	6.6	47.4	42.0	2.1	.6	.6	.0	.0	.6	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.6	.0	.0	.0	.0	.0	.0		.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.6	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.6	
	4-10	.0	.6	2.6	3.8	.0	.6	.0	.0	.0		7.7	
	11-21	.0	.3	3.2	1.9	.3	.0	.0	.0	.0		5.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	1.0	5.8	5.8	.3	.6	.6	.0	.0	.0	14.1	
10+	0-3	.0	.2	1.1	1.3	.0	.0	.0	.0	.0	.6	3.2	
	4-10	.0	4.6	17.8	16.2	1.8	.0	.0	.0	.0		40.4	
	11-21	.0	.8	21.5	18.8	.0	.0	.0	.0	.0		41.0	
	22+	.0	.0	.6	.0	.0	.0	.0	.0	.0		.6	
	TOT %	.0	5.6	41.0	36.2	1.8	.0	.0	.0	.0	.6	85.3	
	TOT OBS												156
	TOT PCT	.0	6.6	47.4	42.0	2.1	.6	.6	.0	.0	.6	100.0	

JUNE

PERIOD: (PRIMARY) 1954-1977
(OVER-ALL) 1879-1977

AREA 0004 CHRISTMAS AND JARVIS IS, .8N 158.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	4.8	9.5	.0	.0	.0	.0	.0	14.3	85.7	42
06&09	.0	.0	.0	3.0	9.1	3.0	.0	.0	.0	.0	15.2	84.8	33
12&15	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	12.5	87.5	24
18&21	.0	.0	.0	8.8	2.9	8.8	.0	.0	.0	.0	20.6	79.4	34
TOT	0	0	0	9	8	4	0	0	0	0	21	112	133
PCT	.0	.0	.0	6.8	6.0	3.0	.0	.0	.0	.0	15.8	84.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	8.7	91.3	46
06&09	.0	.0	.0	.0	16.3	83.7	43
12&15	.0	.0	.0	.0	22.2	77.8	27
18&21	2.5	.0	.0	.0	12.5	85.0	40
TOT	1	0	0	0	22	133	156
PCT	.6	.0	.0	.0	14.1	85.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NM >4/8), BY HOUR

HOUR (GMT)	<150 <50VSBY	<600 <1	<1000 <3	1000+ AND 3+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	4.9	9.8	85.4	41
06&09	.0	.0	3.0	12.1	84.8	33
12&15	.0	.0	13.6	.0	86.4	22
18&21	.0	.0	9.4	12.5	78.1	32
TOT	0	0	9	12	107	128
PCT	.0	.0	7.0	9.4	83.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.7	.0	.0	.0	1	.7
85/89	.0	.0	.0	.0	.7	2.2	1.5	.7	7	5.1
80/84	.0	.0	.0	.0	2.2	34.3	32.8	2.9	99	72.3
75/79	.0	.0	.0	.0	.0	3.6	16.1	2.2	30	21.9
TOTAL	0	0	0	0	5	55	69	8	137	100.0
PCT	.0	.0	.0	.0	3.6	40.1	50.4	5.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.0	.5	.2	.0	.0	.0	.0	.0	.0
	.0	.0	2.2	2.9	.0	.0	.0	.0	.0	.0
	.0	4.2	33.4	29.9	2.0	.0	.0	.0	.0	.7
	.0	2.0	10.4	8.9	.5	.0	.0	.0	.0	.0
	.0	6.2	48.5	42.0	2.6	.0	.0	.0	.0	.7

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	90	89	88	82	79	78	78	82.6	49
06&09	83	82	82	80	78	76	76	80.3	45
12&15	82	81	81	79	76	70	70	79.2	28
18&21	90	89	82	80	76	76	76	80.4	41
TOT	90	89	85	81	77	76	70	80.9	163

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	9.8	52.4	35.7	2.4	77	42
06&09	.0	.0	2.7	35.1	56.8	5.4	81	37
12&15	.0	.0	.0	34.8	52.2	13.0	83	23
18&21	.0	.0	.0	34.3	60.0	5.7	82	35
TOT	0	0	5	55	69	8	80	137

JUNE

PERIOD: (PRIMARY) 1954-1977
(OVER-ALL) 1879-1977

TABLE 17

AREA 0004 CHRISTMAS AND JARVIS IS.
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PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	TOT	N FOG	NO FOG
9/10	.0	.0	.0	.0	.0	.7	1	.0	.7
7/8	.0	.0	.0	.7	1.4	.0	3	.0	2.0
5	.0	.0	.0	.0	1.4	.0	2	.0	1.4
4	.0	.0	.0	1.4	.0	.0	2	.0	1.4
3	.0	.0	.7	.7	.0	.0	2	.0	1.4
2	.0	.0	.0	3.4	.7	.0	6	.0	4.1
1	.0	.0	.0	7.5	.7	.0	12	.0	8.2
0	.0	.0	9.5	12.2	.7	.0	33	.0	22.4
-1	.0	.7	5.4	7.5	.0	.0	20	.0	13.6
-2	.0	.0	10.2	8.8	.0	.0	28	.0	19.0
-3	.0	.0	8.2	3.4	.0	.0	17	.0	11.6
-4	.0	.0	2.7	.0	.0	.0	4	.0	2.7
-5	.0	1.4	2.0	2.0	.0	.0	8	.0	5.4
-6	.0	.0	1.4	2.0	.0	.0	5	.0	3.4
-7/-8	.0	.7	.7	.0	.0	.0	2	.0	1.4
-9/-10	.0	.0	.7	.0	.0	.0	1	.0	.7
-14/-16	.7	.0	.0	.0	.0	.0	1	.0	.7
TOTAL	1	4	61	73	7	1	147	0	147
PCT	.7	2.7	41.5	49.7	4.8	.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.5	.0	.0	.0	.0	1.5
3-4	.0	.4	.0	.0	.0	.0	.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.9	.0	.0	.0	.0	1.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	3.0	1.5	.0	.0	.0	4.5
1-2	.0	20.8	2.7	.0	.0	.0	23.5
3-4	1.5	2.7	1.5	.0	.0	.0	5.7
5-6	.0	3.0	13.3	.0	.0	.0	16.3
7	.0	.0	.0	1.5	.0	.0	1.5
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.5	29.5	18.9	1.5	.0	.0	51.5

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	10.6	.0	.0	.0	.0	10.6
1-2	.0	8.0	3.4	.0	.0	.0	11.4
3-4	.0	1.9	9.1	.0	.0	.0	11.0
5-6	.0	.0	8.0	.0	.0	.0	8.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	20.3	20.5	.0	.0	.0	.0	40.9

PERIOD: (OVER-ALL) 1963-1977 JUNE AREA 0004 CHRISTMAS AND JARVIS IS. .8N 158.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	2.7	.0	.0	.0	.0	2.7	.0	.0	.0	.0	.0	.0	.0
5-6	.0	1.5	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.2	.0	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	98.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.5	13.6	1.5	.0	.0	.0	16.7	
1-2	.0	30.3	6.1	.0	.0	.0	36.4	
3-4	1.5	7.6	10.6	.0	.0	.0	19.7	
5-6	.0	4.5	21.2	.0	.0	.0	25.8	
7	.0	.0	.0	1.5	.0	.0	1.5	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								66
TOT PCT	3.0	56.1	39.4	1.5	.0	.0	100.0	

PERIOD: (OVER-ALL) 1951-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.7	18.2	12.7	12.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	51	3
6-7	.0	.9	8.2	22.7	4.5	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	43	5
8-9	.0	.0	.9	4.5	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	5
10-11	.0	.0	.0	1.8	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	6
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.9	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
TOTAL	3	22	24	48	10	3	0	0	0	0	0	0	0	0	0	0	0	0	0	110	4
PCT	2.7	20.0	21.8	43.6	9.1	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1870-1977

AREA 0004 CHRISTMAS AND JARVIS IS. 1.2N 158.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA						
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	22.2	.0	.0	.0	.0	.0	22.2	.0	.0	.0	.0	.0	.0	.0	77.8
E	2.8	4.8	.0	.0	.0	.0	.0	5.7	1.4	.0	.0	.0	.0	.0	.0	92.9
SE	1.9	4.1	.0	.0	.0	.0	.0	6.0	1.9	.0	.0	.0	.0	.0	.0	92.0
S	.0	13.0	.0	.0	.0	.0	.0	13.0	.0	.0	.0	.0	.0	.0	.0	87.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	2.1	4.7	.0	.0	.0	.0	.0	6.8	1.6	.0	.0	.0	.0	.0	.0	91.7
TOT OBS:	192															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA						
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	10.9	.0	.0	.0	.0	.0	10.9	.0	.0	.0	.0	.0	.0	.0	89.1
06&09	1.5	6.1	.0	.0	.0	.0	.0	7.6	1.5	.0	.0	.0	.0	.0	.0	90.9
12&15	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	90.0
18&21	4.8	3.2	.0	.0	.0	.0	.0	7.9	.0	.0	.0	.0	.0	.0	.0	92.1
TOT PCT	2.1	5.6	.0	.0	.0	.0	.0	7.7	1.5	.0	.0	.0	.0	.0	.0	90.8
TOT OBS:	195															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.1	2.3	1.9	.0	.0	.0		4.3	10.2	2.9	33.3	3.4	16.7	13.2	12.5	.4	.0
E	1.3	15.3	18.8	.4	.0	.0		35.9	11.1	30.2	25.0	33.3	50.0	45.6	62.5	38.7	33.3
SE	1.0	25.1	26.2	1.1	.0	.0		53.4	11.1	56.4	8.3	56.8	33.3	41.2	.0	59.3	58.3
S	.0	2.4	.8	.0	.0	.0		3.3	9.2	4.7	16.7	4.9	.0	.0	.0	.0	8.3
SW	.1	.2	.0	.0	.0	.0		.4	6.3	1.2	.0	.0	.0	.0	.0	.4	.0
W	.4	.0	.0	.0	.0	.0		.4	3.0	.0	.0	.0	.0	.0	.0	1.2	.0
NW	.5	.0	.0	.5	.0	.0		1.0	17.5	4.7	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.4							1.4	.0	.0	16.7	1.5	.0	.0	25.0	.0	.0
TOT OBS	10	94	99	4	0	0	207		10.8	43	6	66	3	17	4	62	6
TOT PCT	4.8	45.4	47.8	1.9	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NE	1.8	1.3	1.2	.0	.0		4.3	10.2	6.6	4.0	13.1	.4
E	6.9	23.8	5.2	.0	.0		35.9	11.1	29.6	54.1	48.8	38.2
SE	9.3	36.8	7.2	.0	.0		53.4	11.1	50.5	35.8	33.3	59.2
S	.8	2.1	.4	.0	.0		3.3	9.2	6.1	4.7	.0	.7
SW	.1	.2	.0	.0	.0		.4	6.3	1.0	.0	.0	.4
W	.4	.0	.0	.0	.0		.4	3.0	.0	.0	.0	1.1
NW	.5	.0	.0	.5	.0		1.0	17.5	4.1	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.4						1.4	.0	2.0	1.4	4.8	.0
TOT OBS	44	133	29	1	0	207		10.8	49	69	21	68
TOT PCT	21.3	64.3	14.0	.5	.0		100.0		100.0	100.0	100.0	100.0

JULY

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1870-1977

AREA 0004 CHRISTMAS AND JARVIS IS.
1.2N 158.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00603	4.0	4.1	38.8	53.1	2.0	.0	.0	12.2	100.0	49
06609	1.4	1.4	65.2	30.4	1.4	.0	.0	9.3	100.0	69
12615	4.8	.0	33.3	57.1	4.8	.0	.0	13.0	100.0	21
18621	.0	5.9	33.8	58.8	1.5	.0	.0	10.8	100.0	68
TOT	3	7	94	99	4	0	0	10.8		207
PCT	1.4	3.4	45.4	47.8	1.9	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.6	2.4	1.2	.1		4.1
E	15.4	9.3	7.7	1.6		3.2
SE	23.4	16.7	12.3	3.8		3.4
S	.6	1.2	1.3	.3		4.7
SW	.3	.0	.1	.0		3.0
W	.0	.0	.4	.0		5.0
NW	.0	.0	.6	.0		5.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.6	.0	.0		3.0
TOT OBS	68	51	40	10	169	3.4
TOT PCT	40.2	30.2	23.7	5.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.1	.1	.0	.1	.0	.0	.0	3.8	
E	.0	.0	.0	1.0	1.5	.4	1.9	.0	.0	.0	29.1	
SE	.0	.6	.6	.6	5.9	1.6	.9	.0	.0	.0	47.0	
S	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	3.1	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	
NW	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	
TOT OBS	0	1	1	3	12	4	5	0	0	0	143	169
TOT PCT	.0	.6	.6	1.8	7.1	2.4	3.0	.0	.0	.0	84.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) • OR >10	• OR >5	• OR >2	• OR >1	• OR >1/2	• OR >1/4	• OR >5OYD	• OR >0
• OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
• OR >3000	.0	.0	.0	.0	.0	.0	.0	.0
• OR >3500	2.4	3.0	3.0	3.0	3.0	3.0	3.0	3.0
• OR >2000	4.1	5.3	5.3	5.3	5.3	5.3	5.3	5.3
• OR >1000	9.5	12.4	12.4	12.4	12.4	12.4	12.4	12.4
• OR >600	10.7	13.6	14.2	14.2	14.2	14.2	14.2	14.2
• OR >300	11.2	14.2	14.8	14.8	14.8	14.8	14.8	14.8
• OR >150	11.8	14.8	15.4	15.4	15.4	15.4	15.4	15.4
• OR > 0	11.8	14.8	15.4	15.4	15.4	15.4	15.4	15.4
TOTAL	20	25	26	26	26	26	26	26

TOTAL NUMBER OF OBS: 169 PCT FREQ NH <5/8: 84.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
6.7	26.7	21.7	20.0	10.0	3.9	6.1	3.3	1.7	.0	180

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1870-1977

AREA 0004 CHRISTMAS AND JARVIS IS.
1.2N 158.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	
	NO PCP	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.5	
	TOT %	.0	.0	.5	.5	.0	.0	.0	.0	.0	.0	1.0	
5<10	PCP	.0	.5	.5	1.6	.0	.0	.0	.0	.0	.0	2.6	
	NO PCP	.0	.8	3.1	2.3	.0	.0	.0	.0	.0	.0	6.3	
	TOT %	.0	1.3	3.6	3.9	.0	.0	.0	.0	.0	.0	8.9	
10+	PCP	.0	.5	1.0	1.7	.4	.0	.0	.0	.0	.0	3.6	
	NO PCP	.0	2.9	31.4	47.8	2.6	.4	.4	.5	.0	.5	86.5	
	TOT %	.0	3.4	32.4	49.5	3.0	.4	.4	.5	.0	.5	90.1	
	TOT OBS												192
	TOT PCT	.0	4.7	36.6	53.9	3.0	.4	.4	.5	.0	.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.5	.5	.0	.0	.0	.0	.0		1.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.5	.5	.0	.0	.0	.0	.0	.0	1.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.8	2.9	.0	.0	.0	.0	.0		3.6	
	11-21	.0	1.3	2.9	1.0	.0	.0	.0	.0	.0		5.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	1.3	3.6	3.9	.0	.0	.0	.0	.0	.0	8.9	
10+	0-3	.0	.1	1.4	1.0	.0	.1	.4	.0	.0	.5	3.6	
	4-10	.0	2.5	14.1	23.3	2.6	.3	.0	.0	.0		42.7	
	11-21	.0	.8	16.9	24.1	.4	.0	.0	.0	.0		42.2	
	22+	.0	.0	.0	1.0	.0	.0	.0	.5	.0		1.6	
	TOT %	.0	3.4	32.4	49.5	3.0	.4	.4	.5	.0	.5	90.1	
	TOT OBS												192
	TOT PCT	.0	4.7	36.6	53.9	3.0	.4	.4	.5	.0	.5	100.0	

JULY

PERIOD: (PRIMARY) 1949-1977
(UVEK-ALL) 1870-1977

AREA 0004 CHRISTMAS AND JARVIS IS.
1.2N 158.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	2.3	.0	4.7	4.7	2.3	2.3	.0	.0	.0	16.3	83.7	43
06&09	.0	.0	1.7	.0	5.1	.0	5.1	.0	.0	.0	11.9	88.1	59
12&15	.0	.0	.0	.0	18.8	.0	6.3	.0	.0	.0	25.0	75.0	16
18&21	.0	.0	.0	1.6	6.6	4.9	.0	.0	.0	.0	13.1	86.9	61
TOT	0	1	1	3	12	4	5	0	0	0	26	153	179
PCT	.0	.6	.6	1.7	6.7	2.2	2.8	.0	.0	.0	14.5	85.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	6.5	93.5	46
06&09	.0	.0	.0	1.5	7.6	90.9	66
12&15	.0	.0	.0	.0	20.0	80.0	20
18&21	.0	.0	.0	1.6	7.9	90.5	63
TOT	0	0	0	2	17	176	195
PCT	.0	.0	.0	1.0	8.7	90.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <90VSBY	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	2.6	7.7	10.3	82.1	39
06&09	.0	1.8	1.8	10.7	87.5	56
12&15	.0	.0	.0	26.7	73.3	15
18&21	.0	.0	1.7	11.9	86.4	59
TOT	0	2	5	21	143	169
PCT	.0	1.2	3.0	12.4	84.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	3.6	.5	.0	.5	9	4.7
80/84	.0	.0	.0	.0	6.3	46.4	17.2	8.9	151	78.6
75/79	.0	.0	.0	.0	.0	4.7	6.8	5.2	32	16.7
TOTAL	0	0	0	0	19	99	46	28	192	100.0
PCT	.0	.0	.0	.0	9.9	51.6	24.0	14.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	1.0	.8	2.0	.9	.0	.0	.0	.0	.0
.0	2.9	27.2	44.7	2.3	.1	.4	.0	.0	1.0
.0	.0	6.8	9.0	.3	.3	.0	.5	.0	.0
.0	3.9	34.6	55.6	3.5	.4	.4	.5	.0	1.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	87	86	85	83	80	78	78	82.6	49
06&09	85	84	84	80	79	76	76	80.6	71
12&15	85	84	84	79	76	76	76	79.7	22
18&21	83	82	82	80	78	72	72	80.3	68
TOT	87	85	84	81	78	76	72	80.9	210

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	26.1	45.7	19.6	8.7	76	46
06&09	.0	.0	2.9	60.9	27.5	8.7	80	69
12&15	.0	.0	.0	13.3	33.3	53.3	88	15
18&21	.0	.0	7.7	52.3	24.6	15.4	80	65
TOT	0	0	19	99	49	28	79	195

JULY

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1870-1977

AREA 0004 CHRISTMAS AND JARVIS IS.
1.2N 158.0W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
5	.0	.0	.0	1.6	3	.0	1.6
4	.0	.5	1.6	1.1	6	.0	3.2
3	.0	.5	8.4	1.6	20	.0	10.5
2	.0	.5	5.3	.0	11	.0	5.8
1	.0	3.7	12.6	.5	32	.0	16.8
0	.0	13.7	7.4	.0	40	.0	21.1
-1	.0	10.5	4.7	.0	29	.0	15.3
-2	1.1	8.4	2.6	.0	23	.0	12.1
-3	.0	4.7	.5	.0	10	.0	5.3
-4	.0	2.1	2.6	.0	9	.0	4.7
-5	.0	.5	1.6	.0	4	.0	2.1
-6	1.1	.0	.0	.0	2	.0	1.1
-7/-8	.0	.0	.5	.0	1	.0	.5
TOTAL	4		91			0	190
		86		9	190		
PCT	2.1	45.3	47.9	4.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.7	.7	.0	.0	.0	4.4
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.7	.0	.0	.0	.7
7	.0	.0	5.9	.0	.0	.0	5.9
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.7	7.4	.0	.0	.0	11.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	16.9	8.1	.0	.0	.0	25.0
3-4	.0	.0	12.5	.0	.0	.0	12.5
5-6	.0	.0	8.1	.0	.0	.0	8.1
7	.0	.0	5.9	.0	.0	.0	5.9
8-9	.0	.0	2.2	.0	.0	.0	2.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	16.9	36.8	.0	.0	.0	53.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.9	.0	.0	.0	.0	2.9
3-4	.0	11.8	5.1	.0	.0	.0	16.9
5-6	.0	.0	2.9	.0	.0	.0	2.9
7	.0	.0	2.9	.0	.0	.0	2.9
8-9	.0	.0	.7	2.9	.0	.0	3.7
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	14.7	11.8	2.9	.0	.0	29.4

PERIOD: (OVER-ALL) 1963-1977

JULY

AREA 0004 CHRISTMAS AND JARVIS IS. 1.2N 158.0W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.9	.0	.0	.0	.0	2.9
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.9	.0	.0	.0	.0	2.9

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	2.9	.0	.0	2.9	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	2.9	.0	.0	2.9	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	26.5	8.8	.0	.0	.0	35.3	
3-4	.0	11.8	17.6	.0	.0	.0	29.4	
5-6	.0	.0	11.8	.0	.0	.0	11.8	
7	.0	.0	14.7	.0	.0	.0	14.7	
8-9	.0	.0	2.9	2.9	.0	.0	5.9	
10-11	.0	.0	.0	2.9	.0	.0	2.9	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								34
TOT PCT	.0	38.2	55.9	5.9	.0	.0	100.0	

PERIOD: (OVER-ALL) 1950-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	18.5	11.1	13.0	.0	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	26	4
6-7	.0	1.9	7.4	.0	11.1	1.9	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	6
8-9	.0	1.9	9.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	3
10-11	.0	.0	.0	.0	.0	1.9	.0	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	13
12-13	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	3.7	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	6
TOTAL	0	12	15	10	8	5	2	0	2	0	0	0	0	0	0	0	0	0	0	54	5
PCT	.0	22.2	27.8	18.5	14.8	9.3	3.7	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

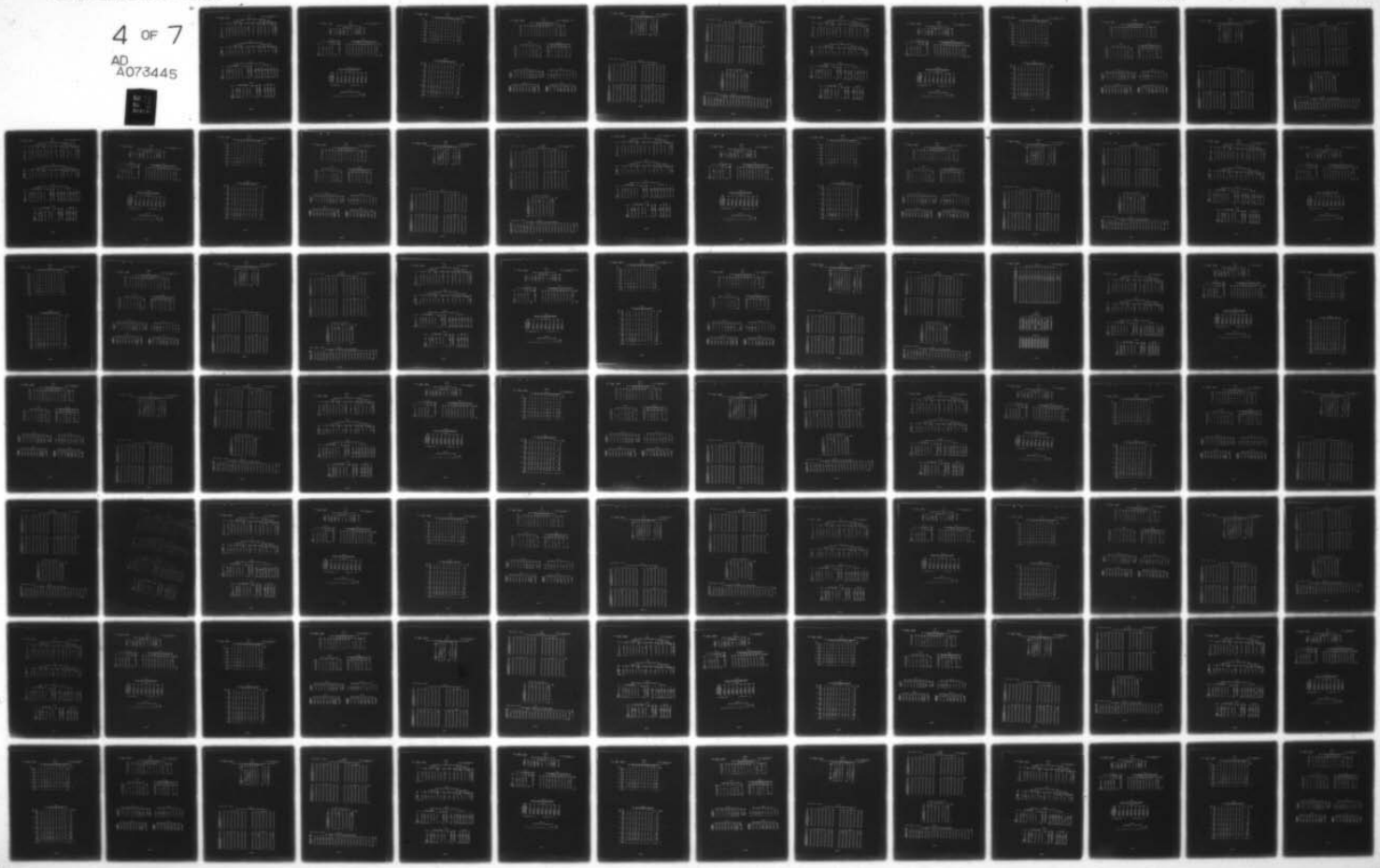
AD-A073 445 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C F/G 4/2

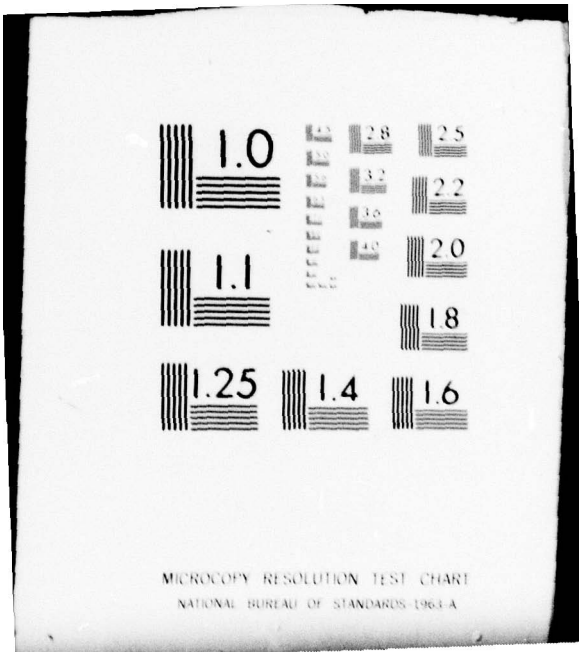
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4 OF 7

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1.0
1.1
1.25
1.4
1.6
2.8
3.2
3.6
4.0
2.5
2.2
2.0
1.8
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

AUGUST

PERIOD: (PRIMARY) 1956-1977
(OVER-ALL) 1881-1977

AREA 0004 CHRISTMAS AND JARVIS IS.
1.3N 157.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	2.9	.0	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	97.1
E	1.0	1.0	1.4	.0	.0	.0	.0	3.3	.0	.0	1.0	.0	.0	.0	.0	95.7
SE	.0	1.1	2.4	.0	.0	.0	.0	3.5	1.1	.0	.0	.0	.0	.0	.0	95.4
S	.0	11.8	.0	.0	.0	.0	.0	11.8	.0	.0	.0	.0	.0	.0	.0	88.2
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	1.3	1.8	.0	.0	.0	.0	3.6	.4	.0	.4	.0	.0	.0	.0	95.5
TOT OBS:	223															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	.0	1.5	1.5	.0	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	97.0
06609	.0	3.1	3.1	.0	.0	.0	.0	6.2	.0	.0	.0	.0	.0	.0	.0	93.8
12615	.0	.0	3.2	.0	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	96.8
18621	1.6	.0	.0	.0	.0	.0	.0	1.6	1.6	.0	1.6	.0	.0	.0	.0	95.2
TOT PCT	.4	1.3	1.8	.0	.0	.0	.0	3.6	.4	.0	.4	.0	.0	.0	.0	95.6
TOT OBS:	225															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.8	.3	.3	.0	.0	.0		1.4	5.5	.0	.0	1.4	.0	2.5	.0	2.7	.0
NE	.2	1.8	1.3	.2	.0	.0		3.5	10.5	4.8	25.0	2.5	.0	3.3	25.0	.4	.0
E	1.0	27.9	17.5	.6	.0	.0		47.0	10.5	52.4	50.0	45.0	100.0	53.3	58.3	39.4	37.5
SE	.8	18.6	22.7	.0	.0	.0		42.1	11.8	36.9	25.0	44.3	.0	32.5	16.7	54.2	12.5
S	.0	3.2	.7	.0	.0	.0		3.9	8.0	5.6	.0	5.0	.0	5.0	.0	1.5	.0
SW	.0	1.0	.0	.0	.0	.0		1.0	5.8	.4	.0	1.8	.0	.0	.0	1.5	.0
W	.0	.4	.0	.0	.0	.0		.4	4.0	.0	.0	.0	.0	3.3	.0	.0	.0
NW	.0	.5	.0	.0	.0	.0		.5	6.2	.0	.0	.0	.0	.0	.0	.4	50.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	7	130	103	2	0	0	242		10.8	63	4	70	1	30	6	66	2
TOT PCT	2.9	53.7	42.6	.8	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.8	.6	.0	.0	.0		1.4	5.5	.0	1.4	2.1	2.6
NE	1.4	1.7	.4	.0	.0		3.5	10.5	6.0	2.5	6.9	.4
E	7.7	34.8	4.4	.0	.0		47.0	10.5	52.2	45.8	54.2	39.3
SE	3.6	32.2	6.3	.0	.0		42.1	11.8	36.2	43.7	29.9	52.9
S	1.5	2.4	.0	.0	.0		3.9	8.0	5.2	4.9	4.2	1.5
SW	.5	.5	.0	.0	.0		1.0	5.8	.4	1.8	.0	1.5
W	.4	.0	.0	.0	.0		.4	4.0	.0	.0	2.8	.0
NW	.4	.1	.0	.0	.0		.5	6.2	.0	.0	.0	1.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0						.0	.0	.0	.0	.0	.0
TOT OBS	40	175	27	0	0	242		10.8	67	71	36	68
TOT PCT	16.5	72.3	11.2	.0	.0		100.0		100.0	100.0	100.0	100.0

AUGUST

PERIOD: (PRIMARY) 1956-1977
(OVER-ALL) 1881-1977

AREA 0004 CHRISTMAS AND JARVIS IS.
1.3N 157.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	3.0	46.3	50.7	.0	.0	.0	11.4	100.0	67
06&09	.0	2.8	67.6	29.6	.0	.0	.0	10.0	100.0	71
12&15	.0	.0	61.1	36.1	2.8	.0	.0	10.5	100.0	36
18&21	.0	4.4	42.6	51.5	1.5	.0	.0	11.0	100.0	68
TOT	0	7	130	103	2	0	0	10.8		242
PCT	.0	2.9	53.7	42.6	.8	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.5	.0	.5	.4		4.7
NE	1.0	.5	.8	.6		4.4
E	26.9	12.3	7.8	2.9		2.6
SE	20.0	8.8	10.7	1.1		3.2
S	1.3	.5	1.8	.5		4.5
SW	.1	.5	.6	.0		4.4
W	.5	.0	.0	.0		.0
NW	.0	.5	.0	.1		4.8
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	100	46	43	10	199	3.0
TOT PCT	50.3	23.1	21.6	5.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.9	
NE	.0	.0	.0	.9	.1	.0	.0	.0	.0	.0	2.3	
E	.0	.0	.0	.5	.9	1.9	.0	.9	.0	.0	45.0	
SE	.0	.0	.0	1.5	2.0	2.1	.5	.0	.0	.0	34.4	
S	.5	.0	.0	.9	.5	.0	.0	.0	.0	.0	2.5	
SW	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.8	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	1	0	0	7	7	8	2	1	0	0	173	199
TOT PCT	.5	.0	.0	3.5	3.5	4.0	1.0	.5	.0	.0	86.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) • OR >10	• OR >5	• OR >2	• OR >1	• OR >1/2	• OR >1/4	• OR >300YD	• OR >0
• OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
• OR >4000	.5	.5	.5	.5	.5	.5	.5	.5
• OR >3500	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
• OR >2000	3.5	5.5	6.0	6.0	6.0	6.0	6.0	6.0
• OR >1000	4.5	8.0	9.0	9.5	9.5	9.5	9.5	9.5
• OR >600	8.0	11.6	12.6	13.1	13.1	13.1	13.1	13.1
• OR >300	8.0	11.6	12.6	13.1	13.1	13.1	13.1	13.1
• OR >150	8.0	11.6	12.6	13.1	13.1	13.1	13.1	13.1
• OR > 0	8.0	11.6	12.6	13.1	13.1	13.1	13.1	13.1
TOTAL	16	23	25	26	26	26	26	26

TOTAL NUMBER OF OBS: 199 PCT FREQ NH <5/8: 86.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
9.7	29.5	27.5	15.5	4.3	4.8	3.9	2.9	1.4	.5	207

PERIOD: (PRIMARY) 1956-1977
(OVER-ALL) 1881-1977

AREA 0004 CHRISTMAS AND JARVIS IS. 1.3N 157.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4	
	TOT %	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4	
1<2	PCP	.0	.1	.7	.6	.0	.0	.0	.0	.0	.0	1.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.1	.7	.6	.0	.0	.0	.0	.0	.0	1.3	
2<5	PCP	.0	.0	.4	.4	.0	.0	.0	.0	.0	.0	.9	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.4	.4	.0	.0	.0	.0	.0	.0	.9	
5<10	PCP	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4	
	NO PCP	.7	1.8	5.2	6.7	2.4	.7	.0	.1	.0	.0	17.5	
	TOT %	.7	1.8	5.2	7.2	2.4	.7	.0	.1	.0	.0	17.9	
10+	PCP	.0	.0	.4	.0	.4	.0	.0	.0	.0	.0	.9	
	NO PCP	.9	1.9	40.0	33.3	1.0	.4	.4	.4	.0	.0	78.5	
	TOT %	.9	1.9	40.5	33.3	1.5	.4	.4	.4	.0	.0	79.4	
	TOT OBS												223
	TOT PCT	1.6	3.8	47.2	41.5	3.8	1.1	.4	.6	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.4	.0	.0	.0	.0	.0	.0		.4	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.1	.7	.6	.0	.0	.0	.0	.0		1.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.1	.7	.6	.0	.0	.0	.0	.0	.0	1.3	
2<5	0-3	.0	.0	.4	.4	.0	.0	.0	.0	.0	.0	.9	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.4	.4	.0	.0	.0	.0	.0	.0	.9	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.3	1.0	2.5	2.0	2.4	.7	.0	.1	.0		9.0	
	11-21	.3	.6	2.5	5.2	.0	.0	.0	.0	.0		8.5	
	22+	.0	.2	.2	.0	.0	.0	.0	.0	.0		.4	
	TOT %	.7	1.8	5.2	7.2	2.4	.7	.0	.1	.0	.0	17.9	
10+	0-3	.9	.2	.7	.4	.0	.0	.0	.0	.0	.0	2.2	
	4-10	.0	.8	23.3	18.0	1.1	.4	.4	.4	.0		42.6	
	11-21	.0	.9	16.0	16.8	.3	.0	.0	.0	.0		34.1	
	22+	.0	.0	.4	.0	.0	.0	.0	.0	.0		.4	
	TOT %	.9	1.9	40.5	33.3	1.5	.4	.4	.4	.0	.0	79.4	
	TOT OBS												223
	TOT PCT	1.6	3.8	47.2	41.5	3.8	1.1	.4	.6	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1956-1977
(OVER-ALL) 1881-1977

AREA 0004 CHRISTMAS AND JARVIS IS. 1.3N 157.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	4.8	7.9	4.8	1.6	1.6	.0	.0	20.6	79.4	63
06&09	.0	.0	.0	5.1	1.7	1.7	1.7	.0	.0	.0	10.2	89.8	59
12&15	.0	.0	.0	4.0	.0	4.0	.0	.0	.0	.0	8.0	92.0	25
18&21	1.7	.0	.0	.0	1.7	6.8	.0	.0	.0	.0	10.2	89.8	59
TOT	1	0	0	7	7	9	2	1	0	0	27	179	206
PCT	.5	.0	.0	3.4	3.4	4.4	1.0	.5	.0	.0	13.1	86.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	1.5	1.5	19.4	77.6	67
06&09	.0	.0	1.5	.0	18.5	80.0	65
12&15	.0	.0	3.2	.0	19.4	77.4	31
18&21	.0	1.6	.0	1.6	14.5	82.3	62
TOT	0	1	3	2	40	179	225
PCT	.0	.4	1.3	.9	17.8	79.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	7.9	12.7	79.4	63
06&09	.0	.0	5.3	5.3	89.5	57
12&15	.0	.0	4.5	4.5	90.9	22
18&21	.0	.0	1.8	7.0	91.2	57
TOT	0	0	10	16	173	199
PCT	.0	.0	5.0	8.0	86.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	2.0	1.0	.0	.0	6	3.0
80/84	.0	.0	.0	.0	4.4	35.0	27.1	6.4	148	72.9
75/79	.0	.0	.0	.0	.5	6.9	9.9	6.4	48	23.6
70/74	.0	.0	.0	.0	.0	.0	.0	.5	1	.5
TOTAL	0	0	0	0	14	87	75	27	203	100.0
PCT	.0	.0	.0	.0	6.9	42.9	36.9	13.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.9	1.6	.5	.0	.0	.0	.0	.0
1.2	1.4	30.7	34.6	3.2	.7	.5	.6	.0	.0
.5	1.0	13.8	7.4	.5	.5	.0	.0	.0	.0
.0	.0	.0	.5	.0	.0	.0	.0	.0	.0
1.7	2.3	45.3	44.1	4.2	1.2	.5	.6	.0	.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	88	87	85	82	78	78	78	82.0	66
06&09	86	85	83	80	77	77	77	80.1	71
12&15	82	81	81	80	77	77	77	79.7	36
18&21	84	83	83	80	76	70	70	80.3	68
TOT	88	86	84	80	77	76	70	80.6	241

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	18.6	42.4	35.6	3.4	78	59
06&09	.0	.0	3.1	34.4	43.8	18.8	82	64
12&15	.0	.0	4.2	50.0	33.3	12.5	80	24
18&21	.0	.0	.0	50.0	31.0	19.0	82	58
TOT	0	0	14	88	75	28	80	205

PERIOD: (PRIMARY) 1956-1977
(OVER-ALL) 1881-1977

AREA 0004 CHRISTMAS AND JARVIS IS, 1.3N 157.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
9/10	.0	.0	.0	.0	.5	1	.0	.5
5	.0	.0	.0	.0	1.4	3	.0	1.4
4	.0	.0	.5	2.4	.0	6	.0	2.8
3	.0	.0	.5	6.1	.5	15	.0	7.1
2	.0	.0	.5	9.2	.0	12	.0	9.7
1	.0	.0	4.7	7.5	.5	27	.0	12.7
0	.5	.5	17.5	6.1	.0	53	.5	24.5
-1	.0	.0	9.4	6.1	.0	33	.0	15.6
-2	.0	.0	4.7	7.1	.0	25	.0	11.8
-3	.0	.0	7.1	2.4	.0	20	.0	9.4
-4	.0	.0	2.4	2.8	.0	11	.0	5.2
-5	.0	.0	1.9	.0	.0	4	.0	1.9
-6	.0	.0	.5	.0	.0	1	.0	.5
-7/-8	.0	.0	.5	.0	.0	1	.0	.5
TOTAL	1		106		4		1	211
		2		97		212		
PCT	.5	.9	50.0	45.8	2.8	100.0	.5	99.5

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.3	.0	.0	.0	.0	.0	1.3
1-2	.0	1.0	.0	.0	.0	.0	1.0
3-4	1.3	.0	.0	.0	.0	.0	1.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.7	1.0	.0	.0	.0	.0	3.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.0	.0	.0	.0	.0	.3
1-2	.3	.0	.0	.0	.0	.0	.3
3-4	.0	3.0	1.0	.0	.0	.0	4.0
5-6	.0	.0	.3	.0	.0	.0	.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	3.0	1.3	.0	.0	.0	5.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	2.7	.0	.0	.0	.0	3.7
1-2	1.0	2.7	1.0	.0	.0	.0	4.7
3-4	.0	10.0	15.0	.0	.0	.0	25.0
5-6	.0	1.0	6.0	.0	.0	.0	7.0
7	.0	.0	2.7	.0	.0	.0	2.7
8-9	.0	2.7	1.3	1.3	.0	.0	5.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.0	19.0	26.0	1.3	.0	.0	48.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.3	.0	.0	.0	.0	.3
1-2	.0	5.7	2.0	.0	.0	.0	7.7
3-4	.0	1.7	14.7	.0	.0	.0	16.3
5-6	.0	1.7	3.0	.0	.0	.0	4.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	9.3	19.7	.0	.0	.0	29.0

PERIOD: (OVER-ALL) 1956-1977 AUGUST AREA 0004 CHRISTMAS AND JARVIS IS. 1.3N 157.4W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.0	.0	.0	.0	.0	1.0
1-2	.0	4.7	1.0	.0	.0	.0	5.7
3-4	.0	1.3	1.3	.0	.0	.0	2.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.0	2.3	.0	.0	.0	9.3

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.3	.0	.0	.0	.0	1.3
1-2	.0	1.7	.0	.0	.0	.0	1.7
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.0	.0	.0	.0	.0	3.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	1.3	.0	.0	.0	.0	1.3	
1-2	.0	.3	.0	.0	.0	.0	.3	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	1.3	.0	.0	.0	.0	1.3	
1-2	.0	.3	.0	.0	.0	.0	.3	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	1.7	.0	.0	.0	.0	1.7	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.9	6.6	.0	.0	.0	.0	10.8	
1-2	1.3	19.8	3.9	.0	.0	.0	21.1	
3-4	1.3	15.6	31.6	.0	.0	.0	48.7	
5-6	.0	2.6	9.2	.0	.0	.0	11.8	
7	.0	.0	2.6	.0	.0	.0	2.6	
8-9	.0	2.6	1.3	1.3	.0	.0	5.3	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	6.6	48.4	48.7	1.3	.0	.0	100.0	

PERIOD: (OVER-ALL) 1957-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.9	9.7	7.8	6.8	2.9	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	38	4
6-7	.0	.0	7.8	12.6	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	32	4
8-9	.0	.0	1.9	8.7	6.8	1.9	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	21	7
10-11	.0	.0	1.9	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5
12-13	.0	.0	1.9	1.9	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	5
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDEF	2.9	1.0	6.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	2
TOTAL	8	11	29	31	16	7	0	0	0	0	1	0	0	0	0	0	0	0	0	103	4
PCT	7.8	10.7	28.2	30.1	15.5	6.8	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1955-1977
(OVER-ALL) 1883-1977

AREA 0004 CHRISTMAS AND JARVIS IS. 1.2N 157.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	66.7	.0	.0	.0	.0	.0	66.7	.0	.0	.0	.0	.0		.0	33.3
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	36.4	.0	.0		.0	63.6
E	.0	2.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0		.0	98.0
SE	.0	.0	1.9	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0		.0	98.1
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	.0	1.8	.9	.0	.0	.0	.0	2.7	.0	.0	.9	.0	.0		.0	96.5
TOT OBS: 113																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
06609	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
12615	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	.0	.0		.0	93.8
18621	.0	5.1	2.6	.0	.0	.0	.0	7.7	.0	.0	.0	.0	.0		.0	92.3
TOT PCT	.0	1.7	.9	.0	.0	.0	.0	2.6	.0	.0	.9	.0	.0		.0	96.6
TOT OBS: 116																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.0	1.2	.0	.0	.0		1.2	14.3	1.6	.0	.0	.0	.0	.0	2.5	.0
NE	.0	.6	1.6	.0	.0	.0		2.2	14.4	2.3	.0	2.3	.0	.0	.0	.6	.0
E	.0	21.3	23.8	.6	.0	.0		45.7	12.1	47.7	.0	54.7	.0	42.2	37.5	40.0	.0
SE	1.6	18.9	22.2	1.0	.0	.0		43.7	11.3	42.2	100.0	40.6	.0	45.3	12.5	46.9	.0
S	.8	4.7	.0	.0	.0	.0		5.5	7.0	6.3	.0	2.3	.0	.0	.0	10.0	.0
SW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6							1.6	.0	.0	.0	.0	.0	12.5	.0	.0	.0
TOT OBS	5	56	60	2	0	0	123		11.3	32	1	32	0	16	2	40	0
TOT PCT	4.1	45.5	48.8	1.6	.0	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	1.2	.0	.0	.0		1.2	14.3	1.5	.0	.0	2.5
NE	.0	1.2	1.0	.0	.0		2.2	14.4	2.3	2.3	5.6	.6
E	.0	39.8	5.9	.0	.0		45.7	12.1	46.2	54.7	41.7	40.0
SE	5.1	35.8	2.8	.0	.0		43.7	11.3	43.9	40.6	41.7	46.9
S	2.2	3.3	.0	.0	.0		5.5	7.0	6.1	2.3	.0	10.0
SW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.6						1.6	.0	.0	.0	11.1	.0
TOT OBS	11	100	12	0	0	123		11.3	33	32	18	40
TOT PCT	8.9	81.3	9.8	.0	.0		100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1955-1977
(OVER-ALL) 1883-1977

AREA 0004 CHRISTMAS AND JARVIS IS.
1.2N 157.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	9.1	21.2	66.7	3.0	.0	.0	12.5	100.0	33
06&09	.0	.0	36.3	60.6	3.1	.0	.0	11.5	100.0	32
12&15	11.1	.0	33.3	33.3	.0	.0	.0	9.5	100.0	18
18&21	.0	.0	32.5	67.5	.0	.0	.0	11.1	100.0	40
TOT	2	3	36	80	2	0	0	11.3		123
PCT	1.6	2.4	45.5	48.8	1.6	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	1.0	.0		7.0
NE	.5	.3	.3	.0		3.2
E	27.0	18.6	2.6	.0		2.4
SE	20.4	12.8	10.5	1.0		3.1
S	.0	3.1	.0	.0		3.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	1.0	1.0	.0	.0		2.5
TOT OBS	48	35	14	1	98	2.8
TOT PCT	49.0	35.7	14.3	1.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >5/8) AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NM <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.8	
E	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	46.4	
SE	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	41.6	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	
TOT OBS	0	0	0	4	2	0	0	0	0	0	92	98
TOT PCT	.0	.0	.0	4.1	2.0	.0	.0	.0	.0	.0	93.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) • OR >10	• OR >5	• OR >2	• OR >1	• OR >1/2	• OR >1/4	• OR >30YD	• OR >0
• OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
• OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
• OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
• OR >2000	.0	.0	.0	.0	.0	.0	.0	.0
• OR >1000	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
• OR >400	3.0	4.0	5.9	5.9	5.9	5.9	5.9	5.9
• OR >300	3.0	4.0	5.9	5.9	5.9	5.9	5.9	5.9
• OR >150	3.0	4.0	5.9	5.9	5.9	5.9	5.9	5.9
• OR > 0	3.0	4.0	5.9	5.9	5.9	5.9	5.9	5.9
TOTAL	3	4	6	6	6	6	6	6

TOTAL NUMBER OF OBS: 101 PCT FREQ NM <5/8: 94.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
7.7	20.2	38.7	20.9	6.7	1.9	2.9	1.0	.0	.0	104

SEPTEMBER

PERIOD: (PRIMARY) 1959-1977
(OVER-ALL) 1883-1977

AREA 0004 CHRISTMAS AND JARVIS IS.
1.2N 157.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.9	
	TOT %	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.9	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	
	NO PCP	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.9	
	TOT %	.9	.0	.0	.9	.0	.0	.0	.0	.0	.0	1.8	
5<10	PCP	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.9	
	NO PCP	.0	.0	.4	3.3	.7	.0	.0	.0	.0	.0	4.4	
	TOT %	.0	.0	.4	4.2	.7	.0	.0	.0	.0	.0	5.3	
10+	PCP	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.9	
	NO PCP	.4	1.5	43.8	40.5	3.1	.0	.0	.0	.0	1.8	91.2	
	TOT %	.4	1.5	44.7	40.5	3.1	.0	.0	.0	.0	1.8	92.0	
	TOT OBS												113
	TOT PCT	1.3	2.4	49.1	49.6	3.8	.0	.0	.0	.0	1.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.9	.0	.0	.0	.0	.0	.0	.0		.9	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.9	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.9	.0	.0	.9	.0	.0	.0	.0	.0		1.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.9	.0	.0	.9	.0	.0	.0	.0	.0	.0	1.8	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	2.0	.7	.0	.0	.0	.0		2.7	
	11-21	.0	.0	.4	2.2	.0	.0	.0	.0	.0		2.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.4	4.2	.7	.0	.0	.0	.0	.0	5.3	
10+	0-3	.0	.0	.0	1.8	.9	.0	.0	.0	.0	1.8	4.4	
	4-10	.0	.7	19.9	17.0	2.2	.0	.0	.0	.0		39.8	
	11-21	.4	.9	24.1	20.6	.0	.0	.0	.0	.0		46.0	
	22+	.0	.0	.7	1.1	.0	.0	.0	.0	.0		1.8	
	TOT %	.4	1.5	44.7	40.5	3.1	.0	.0	.0	.0	1.8	92.0	
	TOT OBS												113
	TOT PCT	1.3	2.4	49.1	49.6	3.8	.0	.0	.0	.0	1.8	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1955-1977
(OVER-ALL) 1883-1977

AREA 0004 CHRISTMAS AND JARVIS IS.
1.2N 157.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	3.4	3.4	.0	.0	.0	.0	.0	6.9	93.1	29
06&09	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	3.8	96.2	26
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	14
18&21	.0	.0	.0	5.7	2.9	.0	.0	.0	.0	.0	8.6	91.4	35
TOT	0	0	0	4	2	0	0	0	0	0	6	98	104
PCT	.0	.0	.0	3.8	1.9	.0	.0	.0	.0	.0	5.8	94.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	3.1	.0	96.9	32
06&09	.0	.0	.0	.0	3.4	96.6	29
12&15	.0	6.3	.0	.0	.0	93.8	16
18&21	.0	.0	.0	2.6	12.8	84.6	39
TOT	0	1	0	2	6	107	116
PCT	.0	.9	.0	1.7	5.2	92.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8), BY HOUR

HOUR (GMT)	<150 <5OVD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	3.4	3.4	93.1	29
06&09	.0	.0	3.8	.0	96.2	26
12&15	.0	.0	.0	.0	100.0	13
18&21	.0	.0	6.1	3.0	90.9	33
TOT	0	0	4	2	95	101
PCT	.0	.0	4.0	2.0	94.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	2.8	5.5	.0	.9	10	9.2
80/84	.0	.0	.0	.0	10.1	30.3	10.1	5.5	61	56.0
75/79	.0	.0	.0	.0	.0	14.7	15.6	3.7	37	33.9
70/74	.0	.0	.0	.0	.0	.0	.9	.0	1	.9
TOTAL	0	0	0	0	14	55	29	11	109	100.0
PCT	.0	.0	.0	.0	12.8	50.5	26.6	10.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.2	4.8	3.2	.9	.0	.0	.0	.0	.0
.9	.7	28.9	22.7	1.8	.0	.0	.0	.0	.9
.0	.2	14.4	18.6	.7	.0	.0	.0	.0	.0
.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
1.4	1.6	48.2	44.5	3.4	.0	.0	.0	.0	.9

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	89	88	88	83	74	69	69	82.3	36
06&09	82	81	81	80	76	75	75	79.6	32
12&15	82	81	81	79	76	76	76	78.8	17
18&21	87	86	84	80	78	76	76	80.9	40
TOT	89	88	86	80	76	74	69	80.7	125

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	29.0	58.1	3.2	9.7	73	31
06&09	.0	.0	3.6	50.0	35.7	10.7	81	28
12&15	.0	.0	.0	53.3	46.7	.0	80	15
18&21	.0	.0	13.5	40.5	32.4	13.5	80	37
TOT	0	0	15	55	30	11	78	111

SEPTEMBER

PERIOD: (PRIMARY) 1955-1977
(OVER-ALL) 1883-1977

TABLE 17

AREA 0004 CHRISTMAS AND JARVIS IS. 1.2N 157.9W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
11/13	.0	.0	.0	.9	1	.0	.9
9/10	.0	.0	.0	.9	1	.0	.9
6	.0	.0	.0	2.7	3	.0	2.7
5	.0	.0	.9	3.6	5	.0	4.5
4	.0	.0	4.5	.0	5	.0	4.5
3	.0	1.8	4.5	.0	7	.0	6.3
2	.0	2.7	7.2	.0	11	.0	9.9
1	.0	5.4	7.2	.0	14	.0	12.6
0	1.8	19.8	2.7	.9	28	.0	25.2
-1	.0	10.8	4.5	.0	17	.9	14.4
-2	1.8	3.6	1.8	.0	8	.0	7.2
-3	.0	3.6	.9	.9	6	.0	5.4
-4	.0	1.8	.9	.0	3	.0	2.7
-5	.9	.9	.0	.0	2	.0	1.8
TOTAL	5	56	39	11	111	1	110
PCT	4.5	50.5	35.1	9.9	100.0	.9	99.1

PERIOD: (OVER-ALL) 1968-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	2.5	.0	.0	.0	2.5
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	2.5	.0	.0	.0	2.5

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.6	.0	.0	.0	.6
3-4	.0	.0	.6	.0	.0	.0	.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	1.3	.0	.0	.0	1.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	5.0	2.5	.0	.0	.0	7.5
1-2	.0	5.0	1.9	.0	.0	.0	6.9
3-4	.0	10.0	15.6	.0	.0	.0	25.6
5-6	.0	.0	3.8	.0	.0	.0	3.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	20.0	23.8	.0	.0	.0	43.8

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.5	.0	.0	.0	.0	.0	2.5
1-2	.0	12.5	7.5	.0	.0	.0	20.0
3-4	.0	2.5	8.8	.0	.0	.0	11.3
5-6	.0	2.5	3.8	.0	.0	.0	6.3
7	.0	.0	5.0	.0	.0	.0	5.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.5	17.5	25.0	.0	.0	.0	45.0

PERIOD: (OVER-ALL) 1963-1977 SEPTEMBER AREA 0004 CHRISTMAS AND JARVIS IS. 1.2N 157.9W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.5	.0	.0	.0	.0	.0	2.5
1-2	.0	2.5	.0	.0	.0	.0	2.5
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.5	2.5	.0	.0	.0	.0	5.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	97.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	7.5	5.0	2.5	.0	.0	.0	15.0	
1-2	.0	20.0	12.5	.0	.0	.0	32.5	
3-4	.0	12.5	25.0	.0	.0	.0	37.5	
5-6	.0	2.5	7.5	.0	.0	.0	10.0	
7	.0	.0	5.0	.0	.0	.0	5.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	7.5	40.0	52.5	.0	.0	.0	100.0	40

PERIOD: (OVER-ALL) 1953-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	8.2	6.6	14.8	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	2
6-7	.0	.0	11.5	16.4	13.1	.0	3.3	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28	6
8-9	.0	1.6	1.6	3.3	1.6	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	5
10-11	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	1.6	.0	1.6	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	3
TOTAL	6	5	18	18	9	2	2	1	0	0	0	0	0	0	0	0	0	0	0	61	4
PCT	9.8	8.2	29.5	29.5	14.8	3.3	3.3	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1950-1977
(OVER-ALL) 1881-1977

AREA 0004 CHRISTMAS AND JARVIS IS.
1.1N 158.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	9.8	.0	9.8	.0	.0	.0	.0	80.5
E	.0	.8	.0	.0	.0	.0	.0	.8	.0	.0	[illegible]	.0	.0	.0	.0	99.2
SE	.0	2.9	.0	.0	.0	.0	.0	2.9	1.4	.0	[illegible]	.0	.0	.0	.0	95.0
S	.0	12.5	.0	.0	.0	.0	.0	12.5	.0	.0	12.5	.0	.0	.0	.0	75.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	2.0	.0	.0	.0	.0	.0	2.0	1.3	.0	1.3	.0	.0	.0	.0	95.3
TOT OBS:	149															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00&03	.0	2.3	.0	.0	.0	.0	.0	2.3	.0	.0	2.3	.0	.0	.0	.0	95.5
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12&15	.0	7.7	.0	.0	.0	.0	.0	7.7	7.7	.0	3.8	.0	.0	.0	.0	80.8
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	2.0	.0	.0	.0	.0	.0	2.0	1.3	.0	1.3	.0	.0	.0	.0	95.4
TOT OBS:	151															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	3.5	3.0	.0	.0	.0		6.4	12.1	4.7	11.1	4.3	.0	10.0	.0	8.5	.0
E	.0	23.7	18.7	.0	.0	.0		42.5	10.9	39.2	44.4	50.0	.0	41.3	40.0	36.0	100.0
SE	.0	20.8	24.7	1.3	.0	.0		46.7	11.9	46.6	33.3	43.5	.0	48.8	50.0	53.0	.0
S	.0	1.1	1.4	.0	.0	.0		2.5	13.3	4.1	11.1	.0	.0	.0	10.0	2.4	.0
SW	.0	.0	1.3	.0	.0	.0		1.3	12.0	5.4	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.6							.6	.0	.0	.0	2.2	.0	.0	.0	.0	.0
TOT OBS	1	78	78	2	0	0	159		11.4	37	9	46	0	20	5	41	1
TOT PCT	.6	49.1	49.1	1.3	.0	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NE	.2	4.7	1.6	.0	.0		6.4	12.1	6.0	4.3	8.0	8.3
E	4.1	35.1	3.3	.0	.0		42.5	10.9	40.2	50.0	41.0	37.5
SE	2.4	40.1	4.2	.0	.0		46.7	11.9	44.0	43.5	49.0	51.8
S	.3	1.3	.9	.0	.0		2.5	13.3	5.4	.0	2.0	2.4
SW	.0	1.3	.0	.0	.0		1.3	12.0	4.3	.0	.0	.0
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.6						.6	.0	.0	2.2	.0	.0
TOT OBS	12	131	16	0	0	159		11.4	46	46	25	42
TOT PCT	7.5	82.4	10.1	.0	.0		100.0		100.0	100.0	100.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1950-1977
(OVER-ALL) 1881-1977

AREA 0004 CHRISTMAS AND JARVIS IS.
1.1N 158.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	30.4	67.4	2.2	.0	.0	12.4	100.0	46
06&09	4.2	.0	63.0	32.6	2.2	.0	.0	11.0	100.0	46
12&15	.0	.0	76.0	24.0	.0	.0	.0	9.5	100.0	25
18&21	.0	.0	38.1	61.9	.0	.0	.0	12.1	100.0	42
TOT	1	0	78	78	2	0	0	11.4		139
PCT	.6	.0	49.1	49.1	1.3	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	3.4	3.4	1.1	.0		2.9
E	18.8	16.4	8.0	.0		2.8
SE	20.0	15.8	6.5	1.3		2.8
S	.0	1.3	.0	.4		4.6
SW	.0	.0	1.7	.0		5.5
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.4	.0	.0	.0		.0
TOT OBS	50	44	20	2	116	2.9
TOT PCT	43.1	37.9	17.2	1.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000-149	150-299	300-599	600-999	1000-1999	2000-3499	3500-4999	5000-6499	6500-7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.2	.9	.0	.0	.0	.0	6.9	
E	.6	.0	.0	1.7	2.2	.0	.9	.0	.0	.0	37.7	
SE	.2	.0	.0	1.7	1.9	1.7	.0	.0	.0	.0	39.4	
S	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	1.3	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	1	0	0	4	5	3	1	0	0	0	102	116
TOT PCT	.9	.0	.0	3.4	4.3	2.6	.9	.0	.0	.0	87.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) • OR >10	• OR >5	• OR >2	• OR >1	• OR >1/2	• OR >1/4	• OR >0YD	• OR >0
• OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
• OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
• OR >3500	.0	.8	.8	.8	.8	.8	.8	.8
• OR >2000	2.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4
• OR >1000	5.9	7.6	7.6	7.6	7.6	7.6	7.6	7.6
• OR >600	9.3	11.0	11.0	11.0	11.0	11.0	11.0	11.0
• OR >500	9.3	11.0	11.0	11.0	11.0	11.0	11.0	11.0
• OR >150	9.3	11.0	11.0	11.0	11.0	11.0	11.0	11.0
• OR > 0	9.3	11.0	11.9	11.9	11.9	11.9	11.9	11.9
TOTAL	11	13	14	14	14	14	14	14

TOTAL NUMBER OF OBS: 118 PCT FREQ NH <5/8: 88.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
5.9	28.8	10.1	27.1	10.2	6.8	1.7	2.5	.8	.0	118

PERIOD: (PRIMARY) 1950-1977
(OVER-ALL) 1881-1977

AREA 0004 CHRISTMAS AND JARVIS IS,
1.1N 158.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.7	.0	.3	.3	.0	.0	.0	.0	.0	1.3	
	TOT %	.0	.7	.0	.3	.3	.0	.0	.0	.0	.0	1.3	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.5	.2	.0	.0	.0	.0	.0	.0	.7	
	TOT %	.0	.0	.5	.2	.0	.0	.0	.0	.0	.0	.7	
5<10	PCP	.0	.0	.3	.7	.3	.0	.0	.0	.0	.0	1.3	
	NO PCP	.0	1.3	4.0	7.0	1.0	.7	.0	.0	.0	.0	14.1	
	TOT %	.0	1.3	4.4	7.7	1.3	.7	.0	.0	.0	.0	15.4	
10+	PCP	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.7	
	NO PCP	.0	4.9	36.7	37.9	1.0	.7	.0	.0	.0	.7	81.9	
	TOT %	.0	4.9	36.7	38.6	1.0	.7	.0	.0	.0	.7	82.6	
	TOT OBS												149
	TOT PCT	.0	6.9	41.6	46.8	2.7	1.3	.0	.0	.0	.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.7	.0	.3	.3	.0	.0	.0	.0		1.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.7	.0	.3	.3	.0	.0	.0	.0	.0	1.3	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.5	.2	.0	.0	.0	.0	.0		.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.5	.2	.0	.0	.0	.0	.0	.0	.7	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	3.4	4.4	.3	.0	.0	.0	.0		8.1	
	11-21	.0	1.3	1.0	3.4	1.0	.7	.0	.0	.0		7.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	1.3	4.4	7.7	1.3	.7	.0	.0	.0	.0	15.4	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.7	
	4-10	.0	3.0	20.1	16.6	.5	.0	.0	.0	.0		40.3	
	11-21	.0	1.8	16.6	21.3	.5	.7	.0	.0	.0		40.9	
	22+	.0	.0	.0	.7	.0	.0	.0	.0	.0		.7	
	TOT %	.0	4.9	36.7	38.6	1.0	.7	.0	.0	.0	.7	82.6	
	TOT OBS												149
	TOT PCT	.0	6.9	41.6	46.8	2.7	1.3	.0	.0	.0	.7	100.0	

OCTOBER

PERIOD: (PRIMARY) 1950-1977
(OVER-ALL) 1881-1977

AREA 0004 CHRISTMAS AND JARVIS IS.
1.1N 158.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	2.7	10.8	2.7	.0	.0	.0	.0	16.2	83.8	37
06&09	3.3	.0	.0	3.3	3.3	3.3	3.3	.0	.0	.0	16.7	83.3	30
12&15	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	5.0	95.0	20
18&21	.0	.0	.0	3.2	.0	3.2	.0	.0	.0	.0	6.5	93.5	31
TOT	1	0	0	4	5	3	1	0	0	0	14	104	118
PCT	.8	.0	.0	3.4	4.2	2.5	.8	.0	.0	.0	11.9	88.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	2.3	.0	.0	18.2	79.5	44
06&09	.0	.0	.0	2.4	14.6	82.9	41
12&15	.0	3.8	.0	.0	15.4	80.8	26
18&21	.0	.0	.0	.0	12.5	87.5	40
TOT	0	6	0	1	23	125	131
PCT	.0	1.8	.0	.7	19.2	82.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8), BY HOUR

HOUR (GMT)	<150 <50VD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	2.7	13.5	83.8	37
06&09	3.3	3.3	6.7	10.0	83.3	30
12&15	.0	.0	5.0	.0	95.0	20
18&21	.0	.0	3.2	3.2	93.5	31
TOT	1	1	5	9	104	118
PCT	.8	.8	4.2	7.6	88.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	5.1	.9	.0	.0	7	6.0
80/84	.0	.0	.0	.0	6.8	29.9	11.1	.9	57	48.7
75/79	.0	.0	.0	.0	.0	17.1	21.4	6.0	52	44.4
70/74	.0	.0	.0	.0	.0	.0	.9	.0	1	.9
TOTAL	0	0	0	0	14	56	39	8	117	100.0
PCT	.0	.0	.0	.0	12.0	47.9	33.3	6.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.2	1.3	1.9	.6	1.7	.0	.0	.0	.0
	.0	3.8	20.3	22.6	1.1	.0	.0	.0	.0	.9
	.0	2.1	21.2	21.2	.0	.0	.0	.0	.0	.0
	.0	.0	.6	.2	.0	.0	.0	.0	.0	.0
	.0	6.2	43.6	45.9	1.7	1.7	.0	.0	.0	.9

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	89	88	88	82	78	77	77	82.4	44
06&09	86	85	83	80	78	77	77	80.0	44
12&15	83	82	82	78	75	75	75	78.1	26
18&21	88	87	83	81	77	74	74	80.3	39
TOT	89	88	85	80	76	75	74	80.4	153

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	22.2	44.4	27.8	5.6	76	36
06&09	.0	.0	6.5	65.6	21.9	6.3	78	32
12&15	.0	.0	.0	26.3	57.9	15.8	83	19
18&21	.0	.0	12.5	43.8	40.6	3.1	79	32
TOT	0	0	14	56	41	8	79	119

OCTOBER

PERIOD: (PRIMARY) 1950-1977
(OVER-ALL) 1881-1977

AREA 0004 CHRISTMAS AND JARVIS IS.
1.1N 158.0W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
6	.0	.0	.0	1.5	.0	2	.0	1.5
5	.0	.0	.0	2.2	.0	3	.0	2.2
4	.0	.0	2.2	.0	.7	4	.0	3.0
3	.0	.0	5.2	.0	.0	7	.0	5.2
2	.7	.7	7.4	.7	.0	13	.0	9.6
1	.0	3.7	8.1	.7	.0	17	.0	12.6
0	.0	14.1	5.9	.0	.0	27	.0	20.0
-1	1.5	12.6	4.4	.0	.0	25	.7	17.8
-2	.7	5.9	5.9	.0	.0	17	.7	11.9
-3	.0	6.7	2.2	.7	.0	13	.0	9.6
-4	.7	2.2	.7	.0	.0	5	.0	3.7
-5	.0	.0	.7	.0	.0	1	.0	.7
-7/-8	.7	.0	.0	.0	.0	1	.0	.7
TOTAL	6	62	98	8	1	135	2	133
PCT	4.4	45.9	43.0	5.9	.7	100.0	1.5	98.5

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	7.7	4.8	.0	.0	.0	12.5
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	3.6	.0	.0	.0	3.6
7	.0	.0	2.4	.0	.0	.0	2.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.7	10.7	.0	.0	.0	18.5

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	13.1	2.4	.0	.0	.0	15.5
3-4	.0	8.3	14.9	.0	.0	.0	23.2
5-6	.0	.0	6.0	.0	.0	.0	6.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	21.4	23.2	.0	.0	.0	44.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	6.0	4.8	.0	.0	.0	10.7
3-4	.0	8.3	11.3	.0	.0	.0	19.6
5-6	.0	.0	.0	2.4	.0	.0	2.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	14.3	16.1	2.4	.0	.0	32.7

PERIOD: (OVER-ALL) 1968-1977 OCTOBER AREA 0004 CHRISTMAS AND JARVIS IS. 1.1N 158.0W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.8	.0	.0	.0	.0	1.8
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.8	.0	.0	.0	.0	1.8

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	97.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.4	.0	.0	.0	.0	.0	2.4	
1-2	.0	28.6	11.9	.0	.0	.0	40.5	
3-4	.0	16.7	26.2	.0	.0	.0	42.9	
5-6	.0	.0	9.5	2.4	.0	.0	11.9	
7	.0	.0	2.4	.0	.0	.0	2.4	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								42
TOT PCT	2.4	45.2	50.0	2.4	.0	.0	100.0	

PERIOD: (OVER-ALL) 1955-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.9	11.7	19.5	5.2	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	34	3
6-7	.0	.0	6.5	11.7	5.2	2.6	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	4
8-9	.0	.0	.0	0.3	7.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	6
10-11	.0	1.3	.0	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5
12-13	.0	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	1.3	.0	3.9	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	3
TOTAL	4	10	24	20	15	2	2	0	0	0	0	0	0	0	0	0	0	0	0	77	4
PCT	5.2	13.0	31.2	26.0	19.5	2.6	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1960-1976
(OVER-ALL) 1943-1976

AREA 0004 CHRISTMAS AND JARVIS IS.
.6N 158.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	15.7	.0	.0	.0		.0	84.3
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
S	23.5	.0	.0	.0	.0	.0	.0	23.5	.0	.0	.0	.0	.0		.0	76.5
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	.9	.0	.0	.0	.0	.0	.0	.9	.0	1.6	.0	.0	.0		.0	97.3
TOT OBS:	110															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	2.9	.0	.0	.0	.0	.0	.0	2.9	.0	.0	.0	.0	.0		.0	97.1
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	.0	.0	.0		.0	97.0
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	5.6	.0	.0		.0	88.9
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	.9	.0	.0	.0	.0	.0	.0	.9	.0	1.8	.9	.0	.0		.0	96.5
TOT OBS:	113															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.8	.0	.0	.0	.0	.0		.8	2.0	.0	.0	.0	.0	.0	.0	3.4	.0
NE	.2	6.7	5.5	.0	.0	.0		12.4	10.0	5.1	50.0	10.0	50.0	17.6	50.0	15.5	50.0
E	1.5	16.2	31.5	7.1	.0	.0		56.3	14.0	53.7	50.0	60.0	50.0	52.9	50.0	57.8	50.0
SE	.4	11.6	17.0	2.1	.0	.0		26.1	12.3	35.3	.0	20.7	.0	29.4	.0	23.3	.0
S	1.3	1.7	.6	.0	.0	.0		3.6	6.8	5.9	.0	6.4	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.8							.8	.0	.0	.0	2.9	.0	.0	.0	.0	.0
TOT OBS	6	43	59	11	0	0	119		12.6	34	1	35	1	17	1	29	1
TOT PCT	5.0	36.1	49.6	9.2	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.8	.0	.0	.0	.0		.8	2.0	.0	.0	.0	3.3
NE	2.3	10.1	.0	.0	.0		12.4	10.0	6.4	11.1	19.4	16.7
E	6.9	30.3	18.3	.8	.0		56.3	14.0	53.6	59.7	52.8	57.5
SE	1.3	19.5	5.3	.0	.0		26.1	12.3	34.3	20.1	27.8	22.5
S	2.1	1.5	.0	.0	.0		3.6	6.8	5.7	6.3	.0	.0
SW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.8						.8	.0	.0	2.8	.0	.0
TOT OBS	17	73	28	1	0	119		12.6	35	36	18	30
TOT PCT	14.3	61.3	23.5	.8	.0		100.0		100.0	100.0	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1960-1976
(OVER-ALL) 1943-1976

AREA 0004 CHRISTMAS AND JARVIS IS, .6N 158.1W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	37.1	51.4	11.4	.0	.0	13.2	100.0	35
06&09	2.8	11.1	36.1	38.9	11.1	.0	.0	12.0	100.0	36
12&15	.0	.0	33.3	55.6	11.1	.0	.0	13.0	100.0	18
18&21	.0	3.3	36.7	56.7	3.3	.0	.0	12.5	100.0	30
TOT	1	5	43	59	11	0	0	12.6		119
PCT	.8	4.2	36.1	49.6	9.2	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.0	.0	.0	.0		.0
NE	5.4	4.6	2.8	.0		3.1
E	38.0	9.4	6.4	3.8		2.6
SE	8.9	6.4	8.2	2.3		4.1
S	.8	1.0	.0	.0		3.1
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	1.0	.0	.0	.0		1.0
TOT OBS	54	21	17	6	98	3.0
TOT PCT	55.1	21.4	17.3	6.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
NE	.0	.0	.0	.0	.5	.5	.0	.0	.0	.5	11.2	
E	.0	.0	.0	.0	1.5	2.6	.0	.0	.0	.5	53.1	
SE	.0	.0	.0	1.0	2.0	2.0	1.0	.0	.0	.0	19.6	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
TOT OBS	0	0	0	1	4	5	1	0	0	1	86	98
TOT PCT	.0	.0	.0	1.0	4.1	5.1	1.0	.0	.0	1.0	87.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >5OYD	* OR >0
* OR >6500	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
* OR >5000	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
* OR >3500	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
* OR >2000	4.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
* OR >1000	7.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
* OR >600	8.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
* OR >300	8.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
* OR >150	8.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
* OR > 0	8.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
TOTAL	8	13	13	13	13	13	13	13

TOTAL NUMBER OF OBS: 100 PCT FREQ NH <5/8: 87.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
8.7	32.0	25.2	10.7	9.7	3.9	1.9	3.9	3.9	.0	103

PERIOD: (PRIMARY) 1960-1970
(OVER-ALL) 1943-1970

AREA 000, CHRISTMAS AND JARVIS IS.
.0N 158.1W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.9	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.9	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	4.1	5.0	1.8	.0	.0	.0	.0	.0	.0	10.9	
	TOT %	.0	4.1	5.0	1.8	.0	.0	.0	.0	.0	.0	10.9	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.9	7.5	50.5	25.5	3.0	.0	.0	.0	.0	.9	88.2	
	TOT %	.9	7.5	50.5	25.5	3.0	.0	.0	.0	.0	.9	88.2	
	TOT OBS												110
	TOT PCT	.9	11.6	55.5	27.3	3.9	.0	.0	.0	.0	.9	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.9	.0	.0	.0	.0		.9	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.9	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	1.4	1.4	.9	.0	.0	.0	.0	.0		3.6	
	11-21	.0	2.7	3.6	.9	.0	.0	.0	.0	.0		7.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	4.1	5.0	1.8	.0	.0	.0	.0	.0	.0	10.9	
10+	0-3	.9	.2	.7	.5	1.4	.0	.0	.0	.0	.9	4.5	
	4-10	.0	5.0	12.5	10.7	.9	.0	.0	.0	.0		29.1	
	11-21	.0	2.3	30.5	12.0	.7	.0	.0	.0	.0		45.5	
	22+	.0	.0	6.8	2.3	.0	.0	.0	.0	.0		9.1	
	TOT %	.9	7.5	50.5	25.5	3.0	.0	.0	.0	.0	.9	88.2	
	TOT OBS												110
	TOT PCT	.9	11.6	55.5	27.3	3.9	.0	.0	.0	.0	.9	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1960-1970
(OVER-ALL) 1943-1970

TABLE 10

AREA 0004 CHRISTMAS AND JARVIS IS.
.6N 158.1W

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	.0	.0	3.2	.0	.0	.0	3.2	96.8	31
06&09	.0	.0	.0	.0	7.1	.0	.0	.0	.0	.0	7.1	92.9	28
12&15	.0	.0	.0	.0	.0	6.7	.0	.0	.0	.0	6.7	93.3	15
18&21	.0	.0	.0	3.6	7.1	17.9	.0	.0	.0	3.6	32.1	67.9	28
TOT	0	0	0	1	4	6	1	0	0	1	13	89	102
PCT	.0	.0	.0	1.0	3.9	5.9	1.0	.0	.0	1.0	12.7	87.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	2.9	.0	.0	.0	5.9	91.2	34
06&09	.0	.0	.0	.0	12.1	87.9	33
12&15	5.6	.0	.0	.0	11.1	83.3	18
18&21	.0	.0	.0	.0	14.3	85.7	28
TOT	2	0	0	0	12	99	113
PCT	1.8	.0	.0	.0	10.6	87.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <3	1000+ AND 3+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	3.2	96.8	31
06&09	.0	.0	.0	7.4	92.6	27
12&15	.0	.0	.0	6.7	93.3	15
18&21	.0	.0	3.7	29.6	66.7	27
TOT	0	0	1	12	87	100
PCT	.0	.0	1.0	12.0	87.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	1.0	.0	.0	.0	1	1.0
85/89	.0	.0	.0	.0	2.9	1.0	.0	.0	4	3.8
80/84	.0	.0	.0	.0	1.9	29.5	9.7	3.8	43	41.0
75/79	.0	.0	.0	.0	.0	21.0	25.7	2.9	52	49.5
70/74	.0	.0	.0	.0	.0	1.0	3.8	.0	5	4.8
TOTAL	0	0	0	0	6	55	37	7	105	100.0
PCT	.0	.0	.0	.0	5.7	52.4	35.2	6.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0
.0	1.9	1.9	.0	.0	.0	.0	.0	.0	.0
.0	7.9	13.6	16.4	2.1	.0	.0	.0	.0	1.0
1.0	.5	38.1	9.0	1.0	.0	.0	.0	.0	.0
.0	.0	4.5	.2	.0	.0	.0	.0	.0	.0
1.0	10.2	59.0	25.7	3.1	.0	.0	.0	.0	1.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	90	89	88	80	76	75	75	80.6	34
06&09	83	82	82	79	74	74	74	78.7	36
12&15	84	83	83	79	72	72	72	78.9	19
18&21	85	84	84	80	75	75	75	79.3	31
TOT	90	88	85	79	75	74	72	79.4	120

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	17.2	55.2	24.1	3.4	75	29
06&09	.0	.0	.0	48.5	45.5	6.1	81	33
12&15	.0	.0	.0	43.8	56.3	.0	80	16
18&21	.0	.0	3.4	58.6	24.1	13.8	80	29
TOT	0	0	6	56	38	7	79	107

NOVEMBER

PERIOD: (PRIMARY) 1960-1970
(OVER-ALL) 1943-1970

AREA 0004 CHRISTMAS AND JARVIS IS. .6N 158.1W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
7/8	.0	.0	.0	1.0	.0	.0	1	.0	1.0
6	.0	.0	.0	.0	1.9	.0	2	.0	1.9
4	.0	.0	1.0	1.0	1.0	1.0	4	.0	3.8
3	.0	.0	.0	.0	1.9	.0	2	.0	1.9
2	.0	.0	1.9	1.9	.0	.0	4	.0	3.8
1	.0	6.7	2.9	3.8	.0	.0	14	.0	13.5
0	.0	7.7	4.8	5.8	.0	.0	19	.0	18.3
-1	1.0	5.8	13.4	2.9	.0	.0	26	.0	25.0
-2	.0	1.9	2.9	7.7	.0	.0	13	.0	12.5
-3	.0	.0	2.9	1.0	.0	.0	4	.0	3.8
-4	.0	.0	3.8	1.9	.0	.0	6	.0	5.8
-5	.0	.0	2.9	.0	.0	.0	3	.0	2.9
-6	.0	.0	2.9	.0	.0	.0	3	.0	2.9
-7/-8	.0	.0	.0	1.0	.0	.0	1	.0	1.0
-9/-10	.0	.0	1.9	.0	.0	.0	2	.0	1.9
TOTAL	1	23	45	29	5	1	104	0	104
PCT	1.0	22.1	43.3	27.9	4.8	1.0	100.0		100.0

PERIOD: (OVER-ALL) 1964-1974

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.3	.0	.0	.0	.0	3.3
3-4	.0	3.3	.0	.0	.0	.0	3.3
5-6	.0	.0	1.7	.0	.0	.0	1.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.7	1.7	.0	.0	.0	8.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.7	.0	.0	.0	.0	1.7
1-2	.0	6.3	6.7	.0	.0	.0	12.9
3-4	.0	1.3	19.2	.0	.0	.0	20.4
5-6	.0	.0	11.7	5.0	.0	.0	16.7
7	.0	.0	5.8	.0	.0	.0	5.8
8-9	.0	.0	.0	4.2	.0	.0	4.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	9.2	43.3	9.2	.0	.0	61.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.7	.0	.0	.0	.0	1.7
1-2	.4	5.4	3.3	.0	.0	.0	9.2
3-4	.0	.4	7.5	.0	.0	.0	7.9
5-6	.0	.0	5.0	1.7	.0	.0	6.7
7	.0	.0	.8	.0	.0	.0	.8
8-9	.0	.0	.0	.8	.0	.0	.8
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	7.5	16.7	2.5	.0	.0	27.1

PERIOD: (OVER-ALL) 1963-1976

NOVEMBER

AREA 0004 CHRISTMAS AND JARVIS IS. .6N 158.1W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.7	.0	.0	.0	.0	1.7
1-2	1.3	.0	.0	.0	.0	.0	1.3
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	1.7	.0	.0	.0	.0	2.9

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	4.9	.0	.0	.0	.0	4.9	
1-2	1.6	14.8	9.8	.0	.0	.0	26.2	
3-4	.0	4.9	26.2	.0	.0	.0	31.1	
5-6	.0	.0	18.0	6.6	.0	.0	24.6	
7	.0	.0	6.6	.0	.0	.0	6.6	
8-9	.0	.0	.0	4.9	.0	.0	4.9	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	1.6	.0	.0	.0	1.6	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.6	24.6	62.3	11.5	.0	.0	100.0	61

PERIOD: (OVER-ALL) 1955-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.3	20.3	12.7	8.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	32	3
6-7	.0	.0	10.1	16.5	10.1	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35	5
8-9	.0	1.3	2.5	4.3	2.5	3.8	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	6
10-11	.0	.0	2.5	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	5
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
INDET	1.3	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	8
TOTAL	2	17	22	20	11	5	0	1	0	1	0	0	0	0	0	0	0	0	0	79	4
PCT	2.5	21.5	27.8	25.3	13.9	6.3	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1956-1977
(OVER-ALL) 1887-1977

AREA 0004 CHRISTMAS AND JARVIS IS. 1,ON 159.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	1.3	1.3	1.3	.0	.0	.0	.0	4.0	1.3	.0	.0	.0	.0	.0	.0	94.6
SE	3.1	.0	.0	.0	.0	.0	.0	3.1	3.9	.0	.0	.0	.0	.0	.0	92.9
S	.0	.0	.0	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	66.7
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.7	.8	.8	.0	.0	.0	.0	3.3	2.9	.0	.0	.0	.0	.0	.0	94.2
TOT OBS:	120															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	3.6	.0	3.6	.0	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0	92.9
06609	.0	.0	.0	.0	.0	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	97.1
12615	4.0	4.0	.0	.0	.0	.0	.0	8.0	8.0	.0	.0	.0	.0	.0	.0	84.0
18621	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	1.7	.8	.8	.0	.0	.0	.0	3.3	2.9	.0	.0	.0	.0	.0	.0	94.2
TOT OBS:	120															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	9.0	1.5	.2	.0	.0		10.7	8.9	14.7	33.3	7.9	.0	10.0	.0	10.2	.0
E	.0	23.9	35.1	1.1	.0	.0		60.1	12.1	63.8	66.7	63.8	.0	54.0	91.7	52.3	100.0
SE	.8	13.4	10.9	1.0	.0	.0		26.0	10.9	21.6	.0	23.7	.0	29.0	8.3	35.2	.0
S	.0	1.1	.6	.0	.0	.0		1.7	10.6	.0	.0	2.0	.0	3.0	.0	2.3	.0
SW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.5							1.5	.0	.0	.0	2.6	.0	4.0	.0	.0	.0
TOT OBS	3	62	63	3	0	0	131		11.2	29	3	38	0	25	3	32	1
TOT PCT	2.3	47.3	48.1	2.3	.0	.0		100.0		100.0	100.0	100.0	.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NE	3.1	6.7	1.0	.0	.0		10.7	8.9	16.4	7.9	8.9	9.8
E	5.5	48.9	7.6	.0	.0		60.1	12.1	64.1	63.8	58.0	53.8
SE	5.2	18.7	2.1	.0	.0		26.0	10.9	19.5	23.7	26.8	34.1
S	.0	1.7	.0	.0	.0		1.7	10.6	.0	2.0	2.7	2.3
SW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.5						1.5	.0	.0	2.6	3.6	.0
TOT OBS	20	97	14	0	0	131		11.2	92	38	28	33
TOT PCT	15.3	74.0	10.7	.0	.0		100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1956-1977
(OVER-ALL) 1887-1977

AREA 0004 CHRISTMAS AND JARVIS IS, 1.0N 158.1W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	40.6	56.3	3.1	.0	.0	12.1	100.0	32
06&09	2.6	2.6	52.6	36.8	5.3	.0	.0	10.8	100.0	38
12&15	3.6	.0	46.4	50.0	.0	.0	.0	10.5	100.0	28
18&21	.0	.0	48.5	51.5	.0	.0	.0	11.6	100.0	33
TOT	2	1	62	63	3	0	0	11.2		131
PCT	1.5	.8	47.3	48.1	2.3	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	3.3	3.3	.2	.0		2.9
E	28.8	25.9	7.8	.9		2.7
SE	12.5	4.7	9.0	2.1		3.7
S	.7	.0	.0	.7		5.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	48	36	18	4	106	3.0
TOT PCT	45.3	34.0	17.0	3.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 2999	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	6.6	
.0	.0	.0	1.9	2.1	.0	.0	.0	.0	.0	59.4	
.0	.0	.0	1.9	4.2	1.9	.0	.0	.0	.9	19.3	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
0	0	0	4	7	2	0	0	0	1	92	106
.0	.0	.0	3.8	6.6	1.9	.0	.0	.0	.9	86.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) • OR >10	• OR >5	• OR >2	• OR >1	• OR >1/2	• OR >1/4	• OR >50YD	• OR >0
• OR >9500	.9	.9	.9	.9	.9	.9	.9	.9
• OR >9000	.9	.9	.9	.9	.9	.9	.9	.9
• OR >3300	.9	.9	.9	.9	.9	.9	.9	.9
• OR >2000	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
• OR >1000	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
• OR >600	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
• OR >300	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
• OR >150	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
• OR > 0	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
TOTAL	14	14	14	14	14	14	14	14

TOTAL NUMBER OF OBS: 106 PCT FREQ NH <5/8: 86.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
5.5	20.2	29.4	22.9	8.3	7.3	3.7	.9	1.8 .0	109

DECEMBER

PERIOD: (PRIMARY) 1956-1977
(OVER-ALL) 1887-1977

AREA 0004 CHRISTMAS AND JARVIS IS.
1.ON 158.1W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.2	.6	.0	.0	.0	.0	.0	.8	
	TOT %	.0	.0	.0	.2	.6	.0	.0	.0	.0	.0	.8	
5<10	PCP	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	1.7	
	NO PCP	.0	.2	2.3	.0	.0	.0	.0	.0	.0	.0	2.5	
	TOT %	.0	.2	4.0	.0	.0	.0	.0	.0	.0	.0	4.2	
10+	PCP	.0	.0	.8	.8	.0	.0	.0	.0	.0	.0	1.7	
	NO PCP	.0	9.4	57.3	25.4	1.3	.0	.0	.0	.0	.0	93.3	
	TOT %	.0	9.4	58.1	26.3	1.3	.0	.0	.0	.0	.0	95.0	
	TOT OBS												120
	TOT PCT	.0	9.6	62.1	26.5	1.9	.0	.0	.0	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.2	.6	.0	.0	.0	.0		.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.2	.6	.0	.0	.0	.0	.0	.8	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	1.7	.0	.0	.0	.0	.0	.0		1.7	
	11-21	.0	.0	1.7	.0	.0	.0	.0	.0	.0		1.7	
	22+	.0	.2	.6	.0	.0	.0	.0	.0	.0		.8	
	TOT %	.0	.2	4.0	.0	.0	.0	.0	.0	.0	.0	4.2	
10+	0-3	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.8	
	4-10	.0	8.5	21.7	12.7	1.3	.0	.0	.0	.0		44.2	
	11-21	.0	.8	35.8	11.7	.0	.0	.0	.0	.0		48.3	
	22+	.0	.0	.6	1.0	.0	.0	.0	.0	.0		1.7	
	TOT %	.0	9.4	58.1	26.3	1.3	.0	.0	.0	.0	.0	95.0	
	TOT OBS												120
	TOT PCT	.0	9.6	62.1	26.5	1.9	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1956-1977
(OVER-ALL) 1887-1977

AREA 0004 CHRISTMAS AND JARVIS IS.
1.0N 158.1W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	4.2	8.3	4.2	.0	.0	.0	.0	16.7	83.3	24
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	31
12&15	.0	.0	.0	13.6	4.5	.0	.0	.0	.0	.0	18.2	81.8	22
18&21	.0	.0	.0	.0	12.9	3.2	.0	.0	.0	3.2	19.4	80.6	31
TOT	0	0	0	4	7	2	0	0	0	1	14	94	108
PCT	.0	.0	.0	3.7	6.5	1.9	.0	.0	.0	.9	13.0	87.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	7.1	92.9	28
06&09	.0	.0	.0	.0	2.9	97.1	34
12&15	.0	.0	.0	4.0	8.0	88.0	25
18&21	.0	.0	.0	.0	.0	100.0	33
TOT	0	0	0	1	5	114	120
PCT	.0	.0	.0	.8	4.2	95.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8),BY HOUR

HOUR (GMT)	<150 <90VSBY	<600 <1	<1000 <3	1000+ AND3+	NM <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	4.3	13.0	82.6	23
06&09	.0	.0	.0	.0	100.0	30
12&15	.0	.0	18.2	4.5	77.3	22
18&21	.0	.0	.0	19.4	80.6	31
TOT	0	0	5	10	91	106
PCT	.0	.0	4.7	9.4	85.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	1.8	.0	.0	.0	2	1.8
80/84	.0	.0	.0	.0	13.6	28.6	15.2	.0	64	57.1
75/79	.0	.0	.0	.0	.0	18.8	17.0	.9	41	36.6
70/74	.0	.0	.0	.0	.0	.0	2.7	1.8	5	4.5
TOTAL	0	0	0	0	17	53	39	3	112	100.0
PCT	.0	.0	.0	.0	15.2	47.3	34.8	2.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0
.0	6.5	55.5	15.2	.0	.0	.0	.0	.0	.0
.0	1.8	21.0	10.3	2.0	.0	.0	.0	.0	1.8
.0	.0	4.0	.4	.0	.0	.0	.0	.0	.0
.0	8.0	82.3	25.9	2.0	.0	.0	.0	.0	1.8

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	86	85	85	82	78	74	74	81.6	90
06&09	84	83	83	79	74	74	74	79.6	96
12&15	82	81	81	78	75	74	74	78.6	28
18&21	86	85	84	81	77	74	74	80.4	33
TOT	86	85	84	80	77	74	74	80.1	127

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	48.0	36.0	12.0	4.0	72	25
06&09	.0	.0	3.0	66.7	27.3	3.0	78	33
12&15	.0	.0	.0	33.3	66.7	.0	82	24
18&21	.0	.0	13.3	46.7	36.7	3.3	77	30
TOT	0	0	17	53	39	3	77	112

DECEMBER

PERIOD: (PRIMARY) 1956-1977
(OVER-ALL) 1887-1977

TABLE 17

AREA 0004 CHRISTMAS AND JARVIS IS.
1.0N 158.1W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA THP DIF	73 76	77 80	81 84	85 88	TOT	N FOG	NO FOG
6	.0	.0	.0	.9	1	.0	.9
5	.0	.0	1.9	.0	2	.0	1.9
4	.0	1.9	6.6	.9	10	.0	9.4
3	.0	.9	6.6	.0	8	.0	7.5
2	.0	.9	3.8	.0	5	.0	4.7
1	.9	15.1	2.8	.0	20	.0	18.9
0	.9	7.5	2.8	.0	12	.0	11.3
-1	.9	2.8	7.5	.0	12	.0	11.3
-2	.9	9.4	3.8	.0	15	.0	14.2
-3	.0	6.6	2.8	.0	10	.0	9.4
-4	.9	2.8	.0	.0	4	.0	3.8
-5	.0	.9	2.8	.0	4	.0	3.8
-6	.0	1.9	.0	.0	2	.0	1.9
-7/-8	.9	.0	.0	.0	1	.0	.9
TOTAL	6		44	2	106	0	106
PCT	5.7	50.9	41.5	1.9	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	6.4	.5	.0	.0	.0	6.9
3-4	.0	2.7	.0	.0	.0	.0	2.7
5-6	.0	.0	1.1	.0	.0	.0	1.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	9.0	1.6	.0	.0	.0	10.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	9.6	3.7	.0	.0	.0	13.3
3-4	.0	11.7	14.4	.0	.0	.0	26.1
5-6	.0	2.1	15.4	.0	.0	.0	17.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	23.4	33.5	.0	.0	.0	56.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.5	.0	.0	.0	.5
1-2	2.1	5.9	.0	.0	.0	.0	8.0
3-4	.0	.5	6.9	.0	.0	.0	7.4
5-6	.0	2.1	4.8	.0	.0	.0	6.9
7	.0	.0	4.3	2.1	.0	.0	6.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.1	8.5	16.5	2.1	.0	.0	29.3

PERIOD: (OVER-ALL) 1963-1977 DECEMBER AREA 0004 CHRISTMAS AND JARVIS IS. 1.0N 158.1W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	1.6	.0	.0	.0	1.6
1-2	.0	1.6	.0	.0	.0	.0	1.6
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.6	1.6	.0	.0	.0	3.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	2.1	.0	.0	.0	2.1	
1-2	2.1	23.4	4.3	.0	.0	.0	29.8	
3-4	.0	14.9	21.3	.0	.0	.0	36.2	
5-6	.0	4.3	21.3	.0	.0	.0	25.5	
7	.0	.0	4.3	2.1	.0	.0	6.4	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.1	42.6	53.2	2.1	.0	.0	100.0	47

PERIOD: (OVER-ALL) 1955-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	6.3	9.5	6.3	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	4
6-7	.0	.0	4.8	6.3	3.2	4.8	1.6	1.6	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	7
8-9	.0	1.6	1.6	7.9	6.3	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	6
10-11	.0	.0	.0	1.6	6.3	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	7
12-13	.0	.0	1.6	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	9
>13	.0	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
INDET	.0	4.8	3.2	4.8	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	4
TOTAL	0	8	13	18	14	5	3	1	1	0	0	0	0	0	0	0	0	0	0	65	5
PCT	.0	12.7	20.6	28.6	22.2	7.9	4.8	1.6	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1949-1978
(OVER-ALL) 1863-1978

AREA 0004 CHRISTMAS AND JARVIS IS.
1.0N 158.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	2.6	.0	.0	.0	.0	.0	5.6	.0	.0	.0	.0	.0	.0	.0	61.1
NE	2.3	2.7	.7	.0	.0	.0	.0	5.6	2.9	1.5	4.3	.0	.0	.0	.0	85.9
E	1.0	1.4	.3	.0	.0	.0	.0	2.8	1.2	.2	.1	.0	.1	.0	.0	95.7
SE	.6	.8	.4	.0	.0	.0	.0	1.7	.7	.0	.1	.0	.0	.0	.0	97.5
S	2.0	3.1	.0	.0	.0	.0	.0	5.1	2.8	.0	1.0	.0	.0	.0	.0	82.8
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	41.7
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33.3
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	50.0
TOT PCT	1.1	1.5	.4	.0	.0	.0	.0	3.0	1.3	.3	.3	.0	.1	.0	.0	95.1
TOT OBS:	1666															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.5	2.0	.4	.0	.0	.0	.0	3.0	1.7	.0	.2	.0	.3	.0	.0	94.8
06&09	1.1	1.6	.7	.0	.0	.0	.0	3.1	.6	.8	.0	.0	.0	.0	.0	95.8
12&15	1.4	1.5	.3	.0	.0	.0	.0	3.2	2.8	.5	1.3	.0	.0	.0	.0	92.2
18&21	1.1	1.2	.2	.0	.0	.0	.0	2.5	1.2	.0	.4	.0	.0	.0	.0	95.9
TOT PCT	1.1	1.5	.4	.0	.0	.0	.0	3.0	1.3	.3	.4	.0	.1	.0	.0	95.0
TOT OBS:	1681															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.4	.2	.2	.0	.0	.0		.8	3.9	.5	.4	1.1	.0	.8	.0	1.0	.0
NE	.2	4.7	3.8	*	.0	.0		8.7	10.9	9.5	16.6	7.0	16.0	10.0	15.5	8.7	4.2
E	.6	21.2	31.6	1.4	.0	.0		54.8	12.0	52.2	42.6	57.4	53.5	57.0	59.3	51.1	44.7
SE	.6	14.6	15.8	.6	.0	.0		31.7	11.1	33.9	20.0	30.3	9.6	29.0	12.3	35.6	20.1
S	.2	1.6	.5	.0	.0	.0		2.2	8.3	2.3	2.3	2.3	.0	.8	.8	2.4	1.9
SW	*	.2	.2	.0	.0	.0		.4	9.7	.6	.0	.4	.0	.1	1.7	.4	.0
W	.1	.2	.0	.0	.0	.0		.3	1.8	.3	.0	.2	.0	.7	.0	.3	.0
NW	*	.1	.0	*	.0	.0		.2	2.4	.7	.0	.0	.0	.0	.0	*	4.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.8							.8	.0	.0	1.4	1.3	.0	1.6	2.1	.4	.0
TOT OBS							1800		11.5	408	47	509	15	268	43	486	24
TOT PCT	2.9	43.0	52.0	2.1	.0	.0		100.0		100.0	83.3	100.0	75.0	100.0	91.7	100.0	75.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.6	.3	.0	.0	.0		.8	3.9	.7	1.0	.7	1.0
NE	1.5	6.2	1.1	.0	.0		8.7	10.9	10.0	7.2	10.7	8.4
E	6.4	40.0	8.3	.1	.0		54.8	12.0	52.9	57.8	57.9	51.3
SE	4.3	24.0	3.2	.0	.0		31.7	11.1	32.4	29.9	26.9	35.5
S	.7	1.3	.2	.0	.0		2.2	8.3	2.5	2.2	.9	2.6
SW	.1	.4	.0	.0	.0		.4	9.7	.5	.4	.4	.4
W	.3	.1	.0	.0	.0		.3	1.8	.2	.2	.6	.3
NW	.1	*	.0	*	.0		.2	2.4	.6	.0	.0	.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.8						.8	.0	.2	1.2	1.9	.4
TOT OBS						1800		11.5	495	524	311	510
TOT PCT	15.0	72.2	12.7	.2	.0		100.0		100.0	100.0	100.0	100.0

ANNUAL

PERIOD: (PRIMARY) 1949-1978
(OVER-ALL) 1863-1978

AREA 0004 CHRISTMAS AND JARVIS IS.
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.2	1.8	36.6	59.2	2.2	.0	.0	12.1	100.0	455
06&09	1.2	3.0	49.9	42.9	3.0	.0	.0	11.0	100.0	524
12&15	1.9	.8	48.5	46.5	2.3	.0	.0	11.0	100.0	311
18&21	.4	2.4	38.3	57.9	1.0	.0	.0	11.6	100.0	510
TOT								11.5		1800
PCT	.8	2.1	43.0	52.0	2.1	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.3	.1	.3	.1		1.7
NE	3.0	2.9	2.1	.7		3.6
E	25.1	16.5	11.2	3.3		3.2
SE	13.7	8.7	7.2	1.7		3.4
S	1.3	.8	.4	.2		3.6
SW	*	.1	.2	.1		1.9
W	.1	.0	.1	.0		.7
NW	.0	*	*	*		.8
VAR	.0	.0	.0	.0		.0
CALM	.3	.1	.2	.1		1.6
TOT OBS					1390	3.3
TOT PCT	42.9	29.2	21.7	6.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.1	.1	*	.0	.0	.0	.0	.5	
NE	.0	.0	.0	.8	.8	.3	*	.0	.0	.1	6.7	
E	.2	.0	.6	1.9	3.3	1.0	.5	*	.0	.1	48.5	
SE	*	*	*	1.2	2.2	1.1	.5	.0	.0	.1	20.2	
S	*	.0	.0	*	.2	*	.0	.0	.0	.0	1.4	
SW	.0	.0	.0	.0	.0	.1	*	.0	.0	.0	.3	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	
NW	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.6	
TOT PCT	.2	*	.6	4.2	6.6	2.5	1.0	*	.0	.3	84.5	1390 100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.1	.2	.3	.3	.3	.3	.3	.3
* OR >5000	.1	.2	.3	.3	.3	.3	.3	.3
* OR >3500	.9	1.1	1.2	1.2	1.2	1.2	1.2	1.2
* OR >2000	2.8	3.6	3.7	3.7	3.7	3.7	3.7	3.7
* OR >1000	8.7	10.1	10.3	10.4	10.4	10.4	10.4	10.4
* OR >600	11.6	14.0	14.5	14.6	14.6	14.6	14.6	14.6
* OR >300	11.8	14.4	15.1	15.2	15.2	15.2	15.2	15.2
* OR >150	11.8	14.4	15.1	15.3	15.3	15.3	15.3	15.3
* OR > 0	11.9	14.6	15.3	15.5	15.5	15.5	15.5	15.5

TOTAL NUMBER OF OBS: 1391 PCT FREQ NH <5/8: 84.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
6.5	22.1	27.1	19.8	8.7	5.7	4.4	3.0	2.6 *	1449

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PERIOD: (PRIMARY) 1949-1978
(OVER-ALL) 1863-1978

AREA 0004 CHRISTMAS AND JARVIS IS.
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.1	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.1	*	*	*	.0	.0	.0	.0	.0	.2	
	TOT %	.0	.1	*	*	*	.0	.0	.0	.0	.0	.2	
1<2	PCP	.0	*	.1	*	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.1	.1	*	.0	.0	.0	.0	.0	.0	.2	
2<5	PCP	.1	.2	.3	*	.0	.0	.0	.0	.0	.0	.6	
	NO PCP	.0	*	.2	.2	.1	.0	.0	.0	.0	.0	.5	
	TOT %	.1	.2	.5	.3	.1	.0	.0	.0	.0	.0	1.1	
5<10	PCP	.0	.2	.5	.4	*	.0	.0	.0	.0	.0	1.1	
	NO PCP	.2	1.3	6.1	2.7	.4	.2	.1	*	.0	.0	11.0	
	TOT %	.2	1.5	6.6	3.1	.4	.2	.1	*	.0	.0	12.0	
10+	PCP	.0	*	.6	.3	.1	.0	.0	.0	.0	.0	1.1	
	NO PCP	.6	6.9	47.2	27.8	1.4	.2	.2	.1	.0	.6	85.2	
	TOT %	.6	7.0	47.9	28.1	1.5	.2	.2	.1	.0	.6	86.3	
	TOT OBS												1661
	TOT PCT	.9	8.9	55.2	31.6	2.1	.4	.3	.1	.0	.6	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.1	.0	.0	.0	.0		.1	
	11-21	.0	.0	.1	.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.1	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.1	*	*	*	.0	.0	.0	.0		.1	
	11-21	.0	.1	.0	.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.1	*	*	*	.0	.0	.0	.0	.0	.2	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	*	.1	*	.0	.0	.0	.0	.0		.1	
	11-21	.0	.1	.1	.0	.0	.0	.0	.0	.0		.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.1	.1	*	.0	.0	.0	.0	.0	.0	.2	
2<5	0-3	.0	.0	*	*	.0	.0	.0	.0	.0	.0	.1	
	4-10	.0	*	.2	.1	.0	.0	.0	.0	.0		.3	
	11-21	.1	.2	.3	.1	.1	.0	.0	.0	.0		.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	.2	.5	.3	.1	.0	.0	.0	.0	.0	1.1	
5<10	0-3	.1	.1	.1	.0	.0	.0	.1	.0	.0	.0	.3	
	4-10	.1	.5	2.1	1.4	.3	.1	.0	*	.0		4.6	
	11-21	*	.9	4.2	1.6	.1	.1	.0	.0	.0		6.9	
	22+	.0	*	.2	.0	.0	.0	.0	.0	.0		.2	
	TOT %	.2	1.5	6.6	3.1	.4	.2	.1	*	.0	.0	12.0	
10+	0-3	.4	.2	.4	.6	.2	*	*	.0	.0	.6	2.5	
	4-10	.2	4.2	18.5	12.9	1.1	.1	.2	*	.0		37.1	
	11-21	.1	2.6	27.9	14.0	.3	.1	.0	.0	.0		44.9	
	22+	.0	*	1.2	.6	.0	.0	.0	*	.0		1.9	
	TOT %	.6	7.0	48.0	28.1	1.5	.2	.2	.1	.0	.6	86.3	
	TOT OBS												1666
	TOT PCT	.9	8.8	55.3	31.5	2.1	.4	.3	.1	.0	.6	100.0	

ANNUAL

PERIOD: (PRELIMARY) 1949-1978
(OVER-ALL) 1863-1978

AREA 0004 CHRISTMAS AND JARVIS IS. 1.ON 158.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >6/8) AND OCCURRENCE OF NH <9/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <9/8 ANY HGT	TOTAL OBS
00&03	.0	.2	.7	4.0	6.8	2.0	.9	.1	.0	.0	14.8	85.2	385
06&09	.3	.0	.8	2.8	5.1	1.4	2.3	.0	.0	.0	12.7	87.3	399
12&15	.0	.0	.0	6.1	5.2	2.4	.5	.0	.0	.4	14.6	85.4	240
18&21	.6	.0	.7	3.8	8.0	4.3	.0	.0	.0	.6	18.0	82.0	416
TOT													1440
PCT	.2	*	.6	4.1	6.4	2.5	1.0	*	.0	.2	15.1	84.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.2	.2	.4	.4	9.4	89.4	481
06&09	.0	.0	.4	1.1	14.2	84.4	478
12&15	.5	.8	.3	1.4	13.7	83.4	294
18&21	.2	.1	.0	1.3	10.7	87.7	478
TOT							1681
PCT	.2	.2	.2	1.1	11.9	86.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >6/8),BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <3	1000+ AND3+	NH <9/8 AND 3+	TOTAL OBS
00&03	.0	1.0	5.4	9.8	84.8	377
06&09	.3	1.2	4.7	8.5	86.8	380
12&15	.0	.0	7.8	8.1	84.1	229
18&21	.4	1.1	5.7	13.1	81.3	405
TOT						1391
PCT	.2	.9	5.8	10.1	84.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.1	.1	.1	.0	.0	.0		.3
85/89	.0	.0	.0	.0	1.8	1.9	.6	.3		4.3
80/84	.0	.0	.0	.1	4.2	29.9	21.3	4.7		50.2
75/79	.0	.0	.0	.0	*	11.0	21.4	5.4		37.9
70/74	.0	.0	.0	.0	.0	.2	.8	.4		1.4
TOTAL									1489	100.0
PCT	.0	.0	.1	.2	6.1	38.9	43.9	10.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.0	.3	*	.0	.0	.0	.0	.0	.0
	.0	.4	2.2	1.3	.2	.1	.0	.0	.0	.0
	.4	3.1	28.0	20.4	1.2	.2	.2	.1	.0	.3
	.2	2.0	24.4	10.5	.5	.1	.0	*	.0	.2
	*	.1	1.1	.1	.0	.0	.0	.0	.0	.0
	.7	7.6	55.9	32.3	2.0	.4	.2	.2	.0	.7

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	90	87	86	82	78	76	69	81.9	451
06&09	93	84	83	80	77	76	74	79.9	522
12&15	85	82	81	79	75	73	70	78.8	310
18&21	90	85	83	80	77	74	70	80.1	507
TOT	93	87	84	80	77	73	69	80.3	1790

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	16.1	46.9	30.1	6.9	77	376
06&09	.0	.6	1.8	40.0	47.1	10.5	81	443
12&15	.0	.0	.6	27.1	57.5	14.7	83	252
18&21	.0	.3	5.0	37.9	43.6	13.2	81	431
TOT	0	3	98	603	635	161	80	1502

PERIOD: (PRIMARY) 1949-1978
(OVER-ALL) 1963-1978

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	<69	73 72	77 76	81 80	85 84	89 88	92	>92	TOT	N FOG	WO FOG
17/18		.0	.0	.0	.0	.0	.0	.1	1	.0	.1
14/16		.0	.0	.0	.0	.0	.1	.0	1	.0	.1
11/13		.0	.0	.0	.0	.1	.0	.0	1	.0	.1
9/10		.0	.0	.0	.1	*	.1	.0	3	.0	.2
7/8		.0	.0	.1	.3	.3	.0	.0	10	.0	.7
6		.0	.0	.0	.0	.7	.0	.0	9	.0	.7
5		.0	.0	.1	.3	1.2	.1	.0	27	.0	1.8
4		.0	.0	.9	2.0	.5	.1	.0	51	.0	3.5
3		.0	.0	.8	3.1	.3	.0	.0	72	.0	4.2
2		.0	.1	1.8	4.1	.4	.0	.0	97	.0	6.4
1		.0	.7	6.1	6.6	.3	.0	.0	209	.0	13.7
0		*	1.6	12.3	7.7	.3	.0	.0	336	*	21.8
-1		.1	1.3	10.8	5.6	.1	.0	.0	269	.1	17.7
-2		.0	.8	7.4	4.6	.0	.0	.0	195	.1	12.7
-3		.0	.2	6.1	1.6	.1	.0	.0	124	.0	8.0
-4		.0	.4	2.5	1.0	.0	.0	.0	60	.0	3.8
-5		.0	.2	1.5	.6	.0	.0	.0	35	.0	2.3
-6		.0	.2	.8	.2	.0	.0	.0	17	.0	1.1
-7/-8		.0	.2	.3	.1	.0	.0	.0	9	.0	.6
-9/-10		.0	.0	.3	.0	.0	.0	.0	4	.0	.3
-14/-16		.1	.0	.0	.0	.0	.0	.0	1	.0	.1
TOTAL									1531		
PCT		.2	5.5	51.7	37.8	4.4	.4	.1	100.0	.2	99.8

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.0	.0	.0	.0	.0	.1
1-2	.2	.1	.2	.0	.0	.0	.5
3-4	.1	.0	.0	.0	.0	.0	.1
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	.1	.3	.0	.0	.0	.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	.2	.0	.0	.0	.0	.2
1-2	*	3.0	1.7	.0	.0	.0	4.6
3-4	.0	1.4	.8	.0	.0	.0	2.2
5-6	.0	.2	1.1	.0	.0	.0	1.4
7	.0	.0	.7	.0	.0	.0	.7
8-9	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	4.7	4.4	.0	.0	.0	9.2

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	2.1	.3	.0	.0	.0	2.7
1-2	.1	9.7	5.0	.0	.0	.0	14.8
3-4	.1	5.6	16.0	.0	.0	.0	21.7
5-6	.0	1.6	11.5	.4	.0	.0	13.5
7	.0	.0	2.1	.3	.0	.0	2.4
8-9	.0	.6	1.6	.3	.0	.0	2.6
10-11	.0	.0	.6	.0	.0	.0	.6
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.1	.0	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	19.6	37.2	1.2	.0	.0	58.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.5	*	.0	.0	.0	2.0
1-2	.2	5.3	2.8	.0	.0	.0	8.4
3-4	.0	3.0	7.6	.0	.0	.0	10.6
5-6	.0	1.0	3.2	.3	.0	.0	4.5
7	.0	.0	1.4	.2	.0	.0	1.6
8-9	.0	.0	.1	.3	.0	.0	.4
10-11	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	10.7	15.2	1.0	.0	.0	27.5

PERIOD: (OVER-ALL) 1963-1978 ANNUAL AREA 0004 CHRISTMAS AND JARVIS IS. 1.0N 158.0W

TABLE 1e (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.2	.1	.0	.0	.0	.6
1-2	.1	1.1	.1	.0	.0	.0	1.3
3-4	.0	.5	.1	.0	.0	.0	.6
5-6	.0	.1	.0	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.9	.3	.0	.0	.0	2.6

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	.1
1-2	.0	.1	.0	.0	.0	.0	.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.9	.3	.0	.0	.0	2.6

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	.1
1-2	.0	.1	.0	.0	.0	.0	.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.3	.0	.0	.0	.0	.3

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.1	.0	.0	.0	.0	.1	
1-2	.0	*	.0	.0	.0	.0	*	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.2	.0	.0	.2	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.3	.0	.0	.0	.0	.3	

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.1	.0	.0	.0	.0	.1	
1-2	.0	.1	.0	.0	.0	.0	.1	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.2	.0	.0	.2	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.3	.0	.0	.0	.0	.3	99.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.7	4.4	.5	.0	.0	.0	6.6	
1-2	.6	19.6	9.7	.0	.0	.0	29.9	
3-4	.2	10.4	24.4	.0	.0	.0	35.0	
5-6	.0	2.9	15.9	.7	.0	.0	19.5	
7	.0	.0	4.1	.5	.0	.0	4.6	
8-9	.0	.6	1.8	.8	.0	.0	3.1	
10-11	.0	.0	.5	.4	.0	.0	.9	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.1	.0	.0	.0	.1	
17-19	.0	.0	.1	.0	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.5	37.8	57.3	2.4	.0	.0	100.0	612

PERIOD: (OVER-ALL) 1950-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.3	11.2	12.5	8.3	2.1	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	336	3
6-7	.0	.6	7.4	11.7	5.6	2.6	1.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	287	5
8-9	.0	.8	3.6	3.9	3.9	1.2	.3	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	127	6
10-11	.0	.2	.4	1.3	2.0	.6	.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	49	7
12-13	.0	.0	.6	.8	.6	.3	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	6
>13	.0	.0	.0	.2	.3	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	7	8
INDET	2.4	1.0	2.0	1.7	1.0	.4	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	79	3
TOTAL																				927	5
PCT	4.7	13.8	26.4	28.4	19.7	7.1	2.2	.5	.9	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1949-1978
(OVER-ALL) 1863-1978

AREA 0004 CHRISTMAS AND JARVIS IS.
1.0N 158.0W

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.8	1.7	4	.2
87/88	.0	.0	.7	.9	.0	3.3	.5	.0	.8	.6	1.6	.8	14	.8
85/86	1.7	.0	2.1	4.5	4.5	6.6	3.8	1.9	1.6	7.5	4.0	1.7	62	3.4
83/84	6.7	1.3	7.8	10.1	18.0	19.9	12.2	33.7	9.5	9.3	13.6	12.5	272	14.7
81/82	20.0	21.8	33.5	48.2	48.6	44.2	38.0	14.9	17.5	19.3	27.2	29.3	535	28.9
79/80	47.5	32.7	46.1	20.5	30.1	24.3	39.0	41.4	51.6	47.8	16.8	27.5	643	34.8
77/78	26.7	25.6	6.4	7.1	3.8	1.1	5.2	5.7	15.1	13.0	13.6	28.3	213	11.5
75/76	12.5	15.4	.7	2.7	.0	.6	.9	1.9	4.0	1.2	20.8	.8	85	4.6
73/74	3.3	3.2	.7	.0	.0	.0	.5	.0	.0	.0	1.6	3.3	17	.9
71/72	1.7	.0	.0	.0	.0	.0	.0	.4	.0	.6	.0	.0	4	.2
69/70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
67/68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
65/66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
63/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	120	156	141	112	133	181	213	201	126	161	125	120	1849	100.0
MEAN	78.9	78.6	80.5	81.2	81.3	81.7	80.9	81.2	80.1	80.6	79.8	80.0	80.4	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1008		1009	1007	1009	1007	1010	1006	1009	113
FEB	1009	1008	1010	1006	1009	1009	1011		1010	134
MAR	1009		1009	1010	1009		1010		1009	138
APR	1008	1006	1008	1010	1009	1006	1011	1010	1009	110
MAY	1010	1007	1010	1012	1010	1008	1011	1009	1010	129
JUN	1009	1010	1010	1014	1010	1012	1011	1014	1010	149
JUL	1010	1009	1010	1011	1010	1007	1011	1012	1010	200
AUG	1010		1010	1012	1010	1009	1011	1012	1010	218
SEP	1010	1010	1010		1011		1011		1011	120
OCT	1010	1009	1011		1010		1012	1009	1011	134
NOV	1009	1010	1010	1012	1009	1011	1011	1012	1010	120
DEC	1007		1009		1008		1010	1009	1008	124
ANN	1009	1009	1010	1010	1010	1009	1011	1010	1010	1689
OBS	401	24	482	15	267	20	456	24		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	1001	1001	1005	1008	1009	1010	1012	1012	1013
FEB	1001	1003	1006	1009	1010	1011	1012	1013	1014
MAR	1005	1005	1006	1008	1010	1011	1013	1014	1015
APR	1003	1003	1006	1007	1009	1010	1013	1014	1015
MAY	1005	1005	1006	1009	1010	1011	1013	1014	1017
JUN	1006	1004	1007	1009	1010	1011	1013	1013	1014
JUL	1006	1006	1007	1009	1010	1012	1013	1013	1014
AUG	1005	1005	1007	1009	1010	1011	1013	1015	1018
SEP	1002	1004	1006	1009	1011	1012	1013	1016	1019
OCT	999	1003	1008	1009	1011	1012	1014	1017	1021
NOV	1001	1004	1007	1008	1010	1011	1013	1015	1024
DEC	1002	1003	1005	1007	1009	1010	1013	1013	1015

JANUARY

PERIOD: (PRIMARY) 1944-1978
(OVER-ALL) 1887-1978

AREA 0005 SOLOMON ISLANDS NE
8.0S 160.7E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	11.4	.0	11.4	.0	.0	.0	.0	22.9	8.4	11.4	.0	.0	.0		.0	57.1
NE	.0	10.5	.0	.0	.0	.0	.0	10.5	2.6	.0	.0	.0	.0		.0	86.8
E	5.4	.0	.0	.0	.0	.0	.0	5.4	.0	.0	4.1	.0	.0		.0	90.5
SE	5.8	5.8	.0	.0	.0	.0	.0	11.6	.0	5.8	1.4	.0	.0		.0	81.2
S	23.5	.0	.0	.0	.0	.0	.0	23.5	.0	23.5	.0	.0	.0		.0	76.5
SW	7.3	.0	.0	.0	.0	.0	.0	7.3	.0	.0	.0	.0	.0		.0	92.7
W	7.5	.0	.0	.0	.0	.0	.0	7.5	7.5	5.7	.0	.0	.0		.0	79.2
NW	8.6	5.8	.0	.0	.0	.0	.0	14.4	.0	3.6	.0	.0	.0		.0	82.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	14.3	.0	.0	.0	.0	.0	.0	14.3	.0	14.3	.0	.0	.0		.0	71.4
TOT PCT	7.9	3.1	.8	.0	.0	.0	.0	11.8	1.6	4.7	.8	.0	.0		.0	81.9
TOT OBS:	127															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	4.8	.0	.0	.0	.0	.0	4.8	.0	.0	4.8	.0	.0		.0	90.5
06&09	13.2	1.9	.0	.0	.0	.0	.0	15.1	3.8	5.7	.0	.0	.0		.0	75.5
12&15	11.8	5.9	.0	.0	.0	.0	.0	17.6	.0	11.8	.0	.0	.0		.0	70.6
18&21	5.1	2.6	2.6	.0	.0	.0	.0	10.3	.0	5.1	.0	.0	.0		.0	87.2
TOT PCT	8.5	3.1	.8	.0	.0	.0	.0	12.3	1.5	5.4	.8	.0	.0		.0	80.8
TOT OBS:	130															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.9	5.5	.0	.0	.0	.0		7.3	5.7	3.4	.0	10.7	11.6	10.9	.0	.0	3.8
NE	4.1	3.8	.8	.0	.0	.0		8.6	4.7	5.7	.0	3.6	12.8	3.1	.0	15.4	7.7
E	5.8	8.1	.0	.0	.0	.0		13.9	4.6	11.4	.0	41.1	11.0	29.4	.0	.0	7.7
SE	6.2	6.0	.8	.0	.0	.0		13.0	5.2	20.5	.0	16.1	10.4	6.3	.0	.0	20.2
S	1.3	1.9	.0	.0	.0	.0		3.2	5.2	.0	.0	.0	2.4	4.7	.0	13.5	2.9
SW	2.3	8.8	.0	.0	.0	.0		11.1	6.1	18.2	.0	7.1	7.9	1.6	.0	25.0	11.5
W	.0	9.3	4.1	.6	.0	.0		10.0	10.3	11.4	.0	7.1	6.7	21.9	.0	11.5	7.7
NW	7.0	14.1	4.9	.2	.0	.0		26.1	7.4	20.5	.0	14.3	34.8	21.9	.0	19.2	30.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	6.8							6.8	.0	9.1	.0	.0	2.4	6.3	100.0	19.4	7.7
TOT OBS	47	71	14	1	0	0	133		5.9	22	0	14	41	16	1	13	26
TOT PCT	35.3	53.4	10.5	.8	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.9	3.4	.0	.0	.0		7.3	5.7	3.4	11.4	10.9	2.6
NE	6.8	1.9	.0	.0	.0		8.6	4.7	5.7	10.5	2.9	10.3
E	11.1	2.8	.0	.0	.0		13.9	4.6	11.4	18.6	22.1	5.1
SE	7.5	5.5	.0	.0	.0		13.0	5.2	20.5	11.8	5.9	13.5
S	2.1	1.1	.0	.0	.0		3.2	5.2	.0	1.8	4.4	6.4
SW	6.2	4.9	.0	.0	.0		11.1	6.1	18.2	7.7	1.5	16.0
W	3.4	6.0	.6	.0	.0		10.0	10.3	11.4	6.8	20.6	9.0
NW	13.2	12.0	.9	.0	.0		26.1	7.4	20.5	29.5	20.6	26.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	6.8						6.8	.0	9.1	1.8	11.8	10.3
TOT OBS	81	50	2	0	0	133		5.9	22	55	17	39
TOT PCT	60.9	37.6	1.5	.0	.0		100.0		100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	9.1	13.6	59.1	13.6	4.5	.0	.0	7.7	100.0	22
06&09	1.8	30.9	54.5	12.7	.0	.0	.0	6.2	100.0	55
12&15	11.8	17.6	47.1	23.5	.0	.0	.0	6.4	100.0	17
18&21	10.3	38.5	51.3	.0	.0	.0	.0	4.4	100.0	39
TOT	9	38	71	14	1	0	0	5.9		133
PCT	6.8	28.6	53.4	10.5	.8	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	1.4	2.9	.0		5.3
NE	1.9	1.0	4.8	.0		4.6
E	1.9	3.4	12.0	5.8		5.6
SE	1.9	1.9	9.1	.0		5.0
S	1.4	.0	.0	3.4		5.6
SW	4.3	.0	5.8	2.4		4.9
W	.0	2.9	3.4	4.8		6.5
NW	.0	6.7	6.3	4.8		5.4
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	3.8	1.9		6.6
TOT OBS	6	9	25	12	52	5.3
TOT PCT	11.5	17.3	48.1	23.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	2.9	
NE	.0	.0	.0	.5	1.9	1.9	.0	.0	.0	.0	3.4	
E	.0	.0	1.9	1.9	.0	.0	.0	.0	.0	.0	19.2	
SE	.0	.0	.0	1.9	.0	.0	1.9	.0	.0	.0	9.1	
S	.0	.0	.0	1.9	.0	.0	.0	.0	.0	1.4	1.4	
SW	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.5	10.1	
W	.0	.0	.0	1.4	3.4	1.4	.0	.0	.0	.0	4.8	
NW	.0	.0	.0	4.3	2.4	.5	1.9	.0	.0	.0	8.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	3.8	
TOT OBS	0	0	1	7	6	2	2	0	0	1	33	52
TOT PCT	.0	.0	1.9	13.5	11.5	3.8	3.8	.0	.0	1.9	63.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
* OR >5000	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
* OR >3500	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
* OR >2000	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
* OR >1000	16.4	20.0	20.0	20.0	20.0	20.0	20.0	20.0
* OR >600	25.5	32.7	32.7	32.7	32.7	32.7	32.7	32.7
* OR >300	25.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
* OR >150	25.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
* OR > 0	25.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
TOTAL	14	19	19	19	19	19	19	19

TOTAL NUMBER OF OBS: 55 PCT FREQ NH <5/8: 63.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
6.3	9.5	19.0	14.3	15.9	11.1	3.2	3.2	17.5	.0	63

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.8	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.8	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	
2<5	PCP	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	
	NO PCP	.0	.0	.0	.8	.0	.0	.8	3.1	.0	.0	4.7	
	TOT %	.8	.0	.0	.8	.0	.0	.8	3.1	.0	.0	5.5	
5<10	PCP	.0	.0	.8	.8	.8	.0	.0	.8	.0	.8	3.9	
	NO PCP	1.4	3.5	7.1	2.0	.0	.8	2.8	6.1	.0	.0	23.6	
	TOT %	1.4	3.5	7.9	2.8	.8	.8	2.8	6.9	.0	.8	27.6	
10+	PCP	.0	.8	.0	.8	.0	.8	.8	2.4	.0	.0	5.5	
	NO PCP	3.9	3.1	6.7	9.3	2.6	9.3	6.1	14.2	.0	4.7	59.8	
	TOT %	3.9	3.9	6.7	10.0	2.6	10.0	6.9	16.5	.0	4.7	65.4	
	TOT OBS												127
	TOT PCT	6.9	7.5	14.6	13.6	3.3	10.8	10.4	27.4	.0	5.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.8	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.8	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.8	.0	.0	.0	.0	.0	.0	.0	.0		.8	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	
2<5	0-3	.0	.0	.0	.8	.0	.0	.0	.8	.0	.0	1.6	
	4-10	.8	.0	.0	.0	.0	.0	.8	2.4	.0		3.9	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.8	.0	.0	.8	.0	.0	.8	3.1	.0	.0	5.5	
5<10	0-3	.6	1.8	5.3	2.4	.0	.8	.0	2.6	.0	.8	14.2	
	4-10	.8	1.0	2.6	.4	.8	.0	.0	2.4	.0		7.9	
	11-21	.0	.8	.0	.0	.0	.0	2.2	1.8	.0		4.7	
	22+	.0	.0	.0	.0	.0	.0	.6	.2	.0		.8	
	TOT %	1.4	3.5	7.9	2.8	.8	.8	2.8	6.9	.0	.8	27.6	
10+	0-3	1.4	1.8	.8	3.3	1.4	.6	.0	3.1	.0	4.7	18.1	
	4-10	2.6	2.2	5.9	5.9	1.2	8.5	4.7	10.0	.0		40.9	
	11-21	.0	.0	.0	.8	.0	.0	2.2	3.3	.0		6.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	3.9	3.9	6.7	10.0	2.6	10.0	6.9	16.5	.0	4.7	65.4	
	TOT OBS												127
	TOT PCT	6.9	7.5	14.6	13.6	3.3	10.8	10.4	27.4	.0	5.5	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	9.5	14.3	.0	9.5	.0	.0	.0	33.3	66.7	21
06&09	.0	.0	5.9	23.5	.0	.0	.0	.0	.0	.0	29.4	70.6	17
12&15	.0	.0	.0	9.1	18.2	.0	.0	.0	.0	9.1	36.4	63.6	11
18&21	.0	.0	.0	8.3	8.3	16.7	.0	.0	.0	.0	33.3	66.7	12
TOT	0	0	1	8	6	2	2	0	0	1	20	41	61
PCT	.0	.0	1.6	13.1	9.8	3.3	3.3	.0	.0	1.6	32.8	67.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	18.2	81.8	22
06&09	.0	.0	1.9	7.5	39.6	50.9	53
12&15	.0	.0	.0	5.9	23.5	70.6	17
18&21	2.6	.0	.0	5.1	15.4	76.9	39
TOT	1	0	1	7	35	87	131
PCT	.8	.0	.8	5.3	26.7	66.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8),BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	9.5	23.8	66.7	21
06&09	.0	7.1	28.6	.0	71.4	14
12&15	.0	.0	10.0	30.0	60.0	10
18&21	.0	.0	10.0	30.0	60.0	10
TOT	0	1	8	11	36	55
PCT	.0	1.8	14.5	20.0	65.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	1.1	.0	.0	.0	.0	1	1.1
85/89	.0	.0	.0	.0	4.3	12.8	8.5	5.3	29	30.9
80/84	.0	.0	.0	.0	1.1	20.2	23.4	18.1	59	62.8
75/79	.0	.0	.0	.0	.0	.0	1.1	4.3	5	5.3
TOTAL	0	0	0	1	5	31	31	26	94	100.0
PCT	.0	.0	.0	1.1	5.3	33.0	33.0	27.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0
	2.7	1.3	3.2	2.1	.0	6.4	3.7	9.3	.0	2.1
	4.8	4.0	8.8	10.4	2.7	6.9	6.4	15.7	.0	3.2
	.0	.3	2.9	2.1	.0	.0	.0	.0	.0	.0
	7.4	5.6	16.0	14.6	2.7	13.3	10.1	25.0	.0	5.3

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	96	95	90	85	82	82	82	85.3	23
06&09	91	90	89	84	80	79	79	84.5	54
12&15	86	85	85	82	79	79	79	82.2	17
18&21	88	87	87	82	79	79	79	82.4	40
TOT	96	91	88	83	79	79	79	83.7	134

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	5.6	16.7	38.9	33.3	5.6	77	18
06&09	.0	.0	7.0	34.9	30.2	27.9	83	43
12&15	.0	.0	.0	33.3	55.6	11.1	81	9
18&21	.0	.0	.0	25.0	28.6	46.4	87	28
TOT	0	1	6	32	32	27	83	98

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77	81	83	89	>92	TOT	W FOG	NO FOG
	80	84	88	92				
14/16	.0	.0	.0	.0	1.0	1	.0	1.0
5	.0	.0	2.0	1.0	.0	3	.0	3.1
4	.0	1.0	.0	3.1	.0	4	.0	4.1
3	.0	.0	2.0	1.0	.0	3	.0	3.1
2	.0	1.0	3.1	.0	.0	4	.0	4.1
1	.0	1.0	3.1	.0	.0	4	.0	4.1
0	.0	3.1	8.2	.0	.0	13	1.0	12.2
-1	.0	8.2	3.1	.0	.0	11	.0	11.2
-2	.0	11.2	3.1	.0	.0	14	.0	14.3
-3	.0	12.2	.0	.0	.0	12	.0	12.2
-4	3.1	10.2	.0	.0	.0	13	.0	13.3
-5	2.0	3.1	.0	.0	.0	7	.0	7.1
-6	3.1	.0	.0	.0	.0	3	.0	3.1
-7/-8	3.1	1.0	.0	.0	.0	4	.0	4.1
TOTAL	11		26		1	1		97
		55		5		98		
PCT	11.2	56.1	26.5	5.1	1.0	100.0	1.0	99.0

PERIOD: (OVER-ALL) 1968-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.0	.0	.0	.0	.0	.0	2.0
1-2	.0	3.1	.0	.0	.0	.0	3.1
3-4	.0	1.5	.0	.0	.0	.0	1.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
%OT PCT	2.0	4.6	.0	.0	.0	.0	6.6

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	2.0	1.0	.0	.0	.0	.0	3.1
3-4	.0	1.5	2.0	.0	.0	.0	2.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
%OT PCT	2.0	2.6	2.0	.0	.0	.0	6.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.0	.0	.0	.0	.0	.0	2.0
1-2	4.1	11.2	.0	.0	.0	.0	15.3
3-4	.0	1.5	.0	.0	.0	.0	1.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
%OT PCT	6.1	12.8	.0	.0	.0	.0	18.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	2.0	3.1	2.0	.0	.0	.0	7.1
3-4	.0	2.6	.0	.0	.0	.0	2.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	2.0	.0	.0	.0	.0	2.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
%OT PCT	2.0	7.7	2.0	.0	.0	.0	11.7

PERIOD: (OVER-ALL) 1963-1978

JANUARY

TABLE 18 (CONT)

AREA 0009 SOLOMON ISLANDS NE
8.6S 160.7E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.0	.0	.0	.0	.0	2.0
3-4	.0	1.5	.0	.0	.0	.0	1.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.6	.0	.0	.0	.0	3.6

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	4.1	.0	.0	.0	.0	4.1
1-2	.0	6.1	.0	.0	.0	.0	6.1
3-4	.0	2.6	.0	.0	.0	.0	2.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	12.8	.0	.0	.0	.0	12.8

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.0	.0	.0	.0	.0	2.0
1-2	.0	4.6	1.5	.0	.0	.0	6.1
3-4	.0	.0	5.6	.0	.0	.0	5.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.5	.0	.0	.5
8-9	.0	.0	.0	1.5	.0	.0	1.5
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.6	7.1	1.5	.0	.0	15.3

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	11.7	2.6	.0	.0	.0	14.3	
3-4	.0	.0	.5	.0	.0	.0	.5	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.5	.0	.0	.5	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	11.7	3.1	.5	.0	.0	15.3	89.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	13.7	7.8	.0	.0	.0	.0	21.6	
1-2	9.8	41.2	5.9	.0	.0	.0	56.9	
3-4	.0	9.8	7.8	.0	.0	.0	17.6	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	2.0	.0	2.0	.0	.0	3.9	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	23.5	60.8	13.7	2.0	.0	.0	100.0	51

PERIOD: (OVER-ALL) 1954-1978

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	7.4	18.5	13.0	4.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	2
6-7	.0	1.9	13.0	1.9	1.9	1.9	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	4
8-9	.0	.0	1.9	.0	1.9	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	7
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	1.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	10
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	1.9	3.7	9.3	3.7	1.9	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	4
TOTAL	3	13	20	4	3	7	1	1	0	0	0	0	0	0	0	0	0	0	0	54	4
PCT	9.8	24.1	37.0	7.4	5.6	13.0	1.9	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1943-1978
(OVER-ALL) 1869-1978

AREA 0005 SOLOMON ISLANDS NE
8.6S 160.8E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG	SNOW	NO SIG WEA
N	18.8	8.3	8.3	.0	.0	.0	.0	35.4	.0	.0	.0	.0	.0		.0		64.6
NE	13.2	20.3	.0	.0	.0	.0	.0	39.5	.0	.0	.0	.0	.0		.0		60.5
E	7.9	5.3	.0	.0	.0	.0	.0	13.2	.0	.0	.0	.0	.0		.0		86.8
SE	1.8	.0	7.1	.0	.0	.0	.0	8.9	.0	8.9	.0	.0	.0		.0		82.1
S	16.7	.0	.0	.0	.0	.0	.0	16.7	.0	33.3	.0	.0	.0		.0		66.7
SW	25.0	.0	.0	.0	.0	.0	.0	25.0	4.2	20.8	.0	.0	.0		.0		54.2
W	13.6	10.2	3.4	.0	.0	.0	.0	27.1	2.9	6.8	.0	.0	.0		.0		63.6
NW	12.5	8.8	.0	.0	.0	.0	.0	21.3	2.9	.0	.0	.0	.0		.0		75.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0		.0
CALM	.0	.0	20.0	.0	.0	.0	.0	20.0	.0	20.0	20.0	.0	.0		.0		40.0
TOT PCT	12.1	8.1	3.2	.0	.0	.0	.0	23.4	1.6	5.6	.8	.0	.0		.0		69.4
TOT OBS:	124																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG	SNOW	NO SIG WEA
00&03	25.3	.0	.0	.0	.0	.0	.0	26.3	5.3	.0	.0	.0	.0		.0		68.4
06&09	9.6	5.8	.0	.0	.0	.0	.0	15.4	.0	3.8	1.9	.0	.0		.0		78.8
12&15	6.3	18.8	.0	.0	.0	.0	.0	25.0	6.3	6.3	.0	.0	.0		.0		62.5
18&21	12.2	9.8	9.8	.0	.0	.0	.0	31.7	.0	9.8	2.4	.0	.0		.0		58.5
TOT PCT	12.5	7.8	3.1	.0	.0	.0	.0	23.4	1.6	5.5	1.6	.0	.0		.0		68.8
TOT OBS:	128																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	3.2	4.5	2.1	.0	.0	.0		9.7	6.4	.0	.0	9.4	17.1	8.3	.0	12.5	6.5
NE	2.1	4.3	.7	.0	.0	.0		7.1	6.1	7.4	.0	6.3	9.8	.0	25.0	.0	7.4
E	3.4	3.2	1.1	.0	.0	.0		7.6	5.3	8.8	.0	.0	12.2	8.3	15.0	.0	7.4
SE	3.4	6.9	1.1	.0	.0	.0		11.4	6.0	7.4	.0	25.0	9.1	8.3	.0	1.8	18.5
S	1.9	1.5	.6	.0	.0	.0		3.9	4.9	.0	.0	.0	3.7	.0	.0	17.9	4.6
SW	.0	3.2	1.5	.0	.0	.0		4.7	9.3	.0	12.5	6.3	.6	12.5	.0	10.7	6.5
W	4.5	9.3	9.7	.7	.0	.0		24.3	9.9	32.4	37.5	21.9	22.6	16.8	20.0	39.3	17.6
NW	2.6	15.7	5.6	2.2	.0	.0		26.1	9.8	44.1	50.0	18.8	17.7	43.8	40.0	10.7	27.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.2							5.2	.0	.0	.0	12.5	7.3	.0	.0	7.1	3.7
TOT OBS	35	65	30	4	0	0	134		7.7	17	2	16	41	12	5	14	27
TOT PCT	26.1	48.5	22.4	3.0	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	5.6	4.1	.0	.0	.0		9.7	6.4	.0	14.9	5.9	8.5
NE	3.7	3.4	.0	.0	.0		7.1	6.1	6.6	8.8	7.4	4.9
E	5.4	2.2	.0	.0	.0		7.6	5.3	7.9	8.8	10.3	4.9
SE	7.3	4.1	.0	.0	.0		11.4	6.0	6.6	13.6	5.9	12.8
S	3.4	.6	.0	.0	.0		3.9	4.9	.0	2.6	.0	9.1
SW	1.5	3.2	.0	.0	.0		4.7	9.3	1.3	2.2	8.8	7.9
W	8.8	12.1	3.4	.0	.0		24.3	9.9	32.9	22.4	19.1	25.0
NW	9.9	11.4	4.1	.7	.0		26.1	9.8	44.7	18.0	42.6	22.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	5.2						5.2	.0	.0	8.8	.0	4.9
TOT OBS	68	55	10	1	0	134		7.7	19	57	17	41
TOT PCT	50.7	41.0	7.5	.7	.0		100.0		100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
				WIND SPEED (KNOTS)						
00&03	.0	10.5	36.8	47.4	5.3	.0	.0	10.4	100.0	19
06&09	8.8	24.6	50.9	14.0	1.8	.0	.0	8.3	100.0	57
12&15	.0	5.9	47.1	35.3	11.8	.0	.0	12.4	100.0	17
18&21	4.9	26.8	51.2	17.1	.0	.0	.0	8.5	100.0	41
TOT	7	28	65	30	4	0	0	7.7		134
PCT	5.2	20.9	48.5	22.4	3.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.2	.0	2.7	2.7		6.1
NE	.0	1.6	2.3	3.1		6.2
E	.0	.0	3.9	1.2		7.0
SE	3.1	3.5	1.6	2.0		4.1
S	.0	2.7	.0	1.2		5.2
SW	.0	2.0	.4	2.7		6.2
W	.0	4.3	12.1	12.9		6.6
NW	3.5	3.1	9.8	11.7		6.2
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	4.7	.0		5.6
TOT OBS	5	11	24	24	64	6.1
TOT PCT	7.8	17.2	37.5	37.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	2.7	.0	.0	.0	.0	.0	3.9	
.0	.0	.0	1.6	.4	1.6	.0	.0	.0	.0	3.5	
.0	.0	.0	1.2	1.2	1.6	.0	.0	.0	.0	1.2	
.0	.0	1.6	.4	.0	.0	.0	.0	.0	.0	8.2	
.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	2.7	
.0	.0	.4	.8	1.6	.0	.0	.0	.0	.0	2.3	
.0	.0	4.3	7.0	1.6	2.3	.0	1.6	.0	.0	12.5	
3.1	.0	1.6	3.9	5.1	.8	.0	.0	.0	.0	14.1	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	
2	0	5	10	8	4	0	1	0	0	34	64
3.1	.0	7.8	15.6	12.5	6.3	.0	1.6	.0	.0	53.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
* OR >3500	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
* OR >2000	4.5	7.6	7.6	7.6	7.6	7.6	7.6	7.6
* OR >1000	15.2	19.7	21.2	21.2	21.2	21.2	21.2	21.2
* OR >600	21.2	33.3	39.4	39.4	39.4	39.4	39.4	39.4
* OR >300	24.2	36.4	42.4	42.4	47.0	47.0	47.0	47.0
* OR >150	24.2	36.4	42.4	42.4	47.0	47.0	47.0	47.0
* OR > 0	25.8	37.9	43.9	43.9	48.5	48.5	48.5	48.5
TOTAL	17	25	29	29	32	32	32	32

TOTAL NUMBER OF OBS: 66 PCT FREQ NH <5/8: 51.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
1.4	17.1	11.4	11.4	10.0	7.1	5.7	5.7	28.6	1.4	70

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.8	
	NO PCP	.0	.0	.0	.0	.0	.2	1.4	.0	.0	.0	1.6	
	TOT %	.0	.0	.0	.0	.0	.2	2.2	.0	.0	.0	2.4	
1<2	PCP	.0	.8	.0	.0	.0	.0	.0	.8	.0	.0	1.6	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.8	.0	.0	.0	.0	.0	.8	.0	.0	1.6	
2<5	PCP	.6	.8	.6	.2	.0	.0	.0	1.8	.0	.0	4.1	
	NO PCP	1.6	1.0	2.2	.2	.6	.2	2.0	1.8	.0	1.6	11.4	
	TOT %	2.2	1.8	2.8	.4	.6	.2	2.0	3.7	.0	1.6	15.4	
5<10	PCP	2.0	1.4	.4	.0	.6	1.2	2.6	.6	.0	.0	8.9	
	NO PCP	2.2	1.6	2.4	2.6	.6	1.0	5.9	3.9	.0	.0	20.3	
	TOT %	4.3	3.0	2.8	2.6	1.2	2.2	8.5	4.5	.0	.0	29.3	
10+	PCP	.8	.0	.0	.8	.0	.0	3.0	1.6	.0	.8	7.3	
	NO PCP	2.4	2.0	2.0	7.5	1.8	2.2	8.1	16.1	.0	1.6	43.9	
	TOT %	3.3	2.0	2.0	8.3	1.8	2.2	11.2	17.9	.0	2.4	51.2	
	TOT OBS												123
	TOT PCT	9.8	7.7	7.7	11.4	3.7	4.9	24.0	26.8	.0	4.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.8	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.8	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.2	2.2	.0	.0		2.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.2	2.2	.0	.0	.0	2.4	
1<2	0-3	.0	.8	.0	.0	.0	.0	.8	.0	.0	.0	1.6	
	4-10	.0	.0	.0	.0	.0	.0	.8	.8	.0		1.6	
	11-21	.0	.0	.6	.2	.0	.0	.0	.0	.0		.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.8	.6	.2	.0	.0	1.6	.8	.0	.0	3.9	
2<5	0-3	.0	.2	1.4	.2	.6	.0	.0	.0	.0	1.6	3.9	
	4-10	1.6	.8	.8	.0	.0	.2	1.2	1.8	.0		6.3	
	11-21	.6	.6	.6	.2	.0	.0	.8	.2	.0		3.1	
	22+	.0	.0	.0	.0	.0	.0	.0	1.6	.0		1.6	
	TOT %	2.2	1.8	2.8	.4	.6	.2	2.0	3.5	.0	1.6	15.0	
5<10	0-3	2.0	.2	.8	.2	.6	.0	2.4	.2	.0	.0	6.3	
	4-10	2.2	2.6	2.0	1.6	.0	1.8	3.9	3.9	.0		18.1	
	11-21	.0	.0	.0	.8	.6	.4	2.0	.2	.0		3.9	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	4.1	3.0	2.8	2.6	1.2	2.2	8.3	4.3	.0	.0	28.3	
10+	0-3	1.4	1.0	1.4	3.1	.8	.0	1.6	2.6	.0	2.4	14.2	
	4-10	1.0	1.0	.6	4.9	1.0	1.2	3.9	9.3	.0		22.8	
	11-21	.8	.0	.0	.0	.0	1.0	5.3	4.7	.0		11.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.8	.0		.8	
	TOT %	3.1	2.0	2.0	8.1	1.8	2.2	10.8	17.3	.0	2.4	49.6	
	TOT OBS												127
	TOT PCT	9.4	7.5	8.1	11.2	3.5	4.7	24.8	26.0	.0	4.7	100.0	

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TABLE 10

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PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	33.3	16.7	.0	.0	5.6	.0	.0	55.6	44.4	18
06&09	5.9	.0	.0	.0	11.8	.0	.0	.0	.0	.0	17.6	82.4	17
12&15	6.3	.0	25.0	6.3	6.3	12.5	.0	.0	.0	.0	56.3	43.8	16
18&21	.0	.0	5.6	27.8	16.7	11.1	.0	.0	.0	.0	61.1	38.9	18
TOT	2	0	5	12	9	4	0	1	0	0	33	36	69
PCT	2.9	.0	7.2	17.4	13.0	5.8	.0	1.4	.0	.0	47.8	52.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	15.8	15.8	68.4	19
06&09	1.8	.0	7.1	21.4	32.1	37.5	56
12&15	.0	13.3	6.7	6.7	26.7	46.7	15
18&21	.0	2.4	.0	7.3	29.3	61.0	41
TOT	1	3	5	19	37	86	131
PCT	.8	2.3	3.8	14.5	28.2	50.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	38.9	16.7	44.4	18
06&09	6.3	6.3	6.3	12.5	81.3	16
12&15	.0	28.6	42.9	21.4	35.7	14
18&21	.0	5.6	38.9	27.8	33.3	18
TOT	1	6	21	13	32	66
PCT	1.5	9.1	31.8	19.7	48.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.9	.0	.0	.0	1	.9
90/94	.0	.0	.0	.0	.9	1.8	1.8	.0	5	4.5
85/89	.0	.0	.0	.0	5.4	11.7	6.3	2.7	29	26.1
80/84	.0	.0	.0	.0	1.8	8.1	28.8	18.9	64	57.7
75/79	.0	.0	.0	.0	.0	.0	1.8	9.0	12	10.8
TOTAL	0	0	0	0	10	24	43	34	111	100.0
PCT	.0	.0	.0	.0	9.0	21.6	38.7	30.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.9	.0	.0	.0	.0	.0	.0	.0	.0	.0
.7	.0	.0	.9	.0	.0	.0	2.9	.0	.0
.9	2.7	.7	3.2	.7	2.0	7.0	7.2	.0	1.8
4.7	1.6	7.2	7.0	2.3	.9	16.9	14.4	.0	2.7
.7	2.0	.0	.9	.7	1.1	1.8	2.7	.0	.9
7.9	6.3	7.9	11.9	3.6	4.1	25.7	27.3	.0	5.4

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	90	89	89	86	78	78	78	84.8	19
06&09	95	94	90	84	79	79	79	84.2	56
12&15	85	84	84	83	77	77	77	82.0	16
18&21	89	88	88	82	78	77	77	82.1	42
TOT	95	90	89	83	78	77	77	83.4	133

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	11.1	33.3	33.3	22.2	82	18
06&09	.0	.0	13.0	26.1	28.3	32.6	83	46
12&15	.0	.0	6.7	26.7	46.7	20.0	83	15
18&21	.0	.0	2.9	8.6	51.4	37.1	86	35
TOT	0	0	10	25	44	35	84	114

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.9	.0	1	.0	.9
9/10	.0	.0	.0	.0	.9	1	.0	.9
6	.0	.0	.9	1.8	.0	3	.0	2.7
5	.0	.0	.0	2.7	.0	3	.0	2.7
4	.0	.0	3.6	1.8	.0	6	.0	5.5
3	.0	.0	4.5	.0	.0	5	.0	4.5
2	.0	2.7	2.7	1.8	.0	8	.0	7.3
1	.0	1.8	6.4	.0	.0	9	.0	8.2
0	.0	.9	3.6	.0	.0	5	.0	4.5
-1	.0	12.7	3.6	.0	.0	18	.9	15.5
-2	.9	10.9	.0	.0	.0	13	.0	11.8
-3	2.7	11.8	.0	.0	.0	16	.0	14.5
-4	.9	4.5	.0	.0	.0	6	.0	5.5
-5	2.7	1.8	.0	.0	.0	5	.0	4.5
-6	5.5	.9	.0	.0	.0	7	.0	6.4
-7/-8	2.7	.0	.0	.0	.0	3	.0	2.7
-11/-13	.9	.0	.0	.0	.0	1	.0	.9
TOTAL	18	53	28	10	1	110	1	109
PCT	16.4	48.2	25.5	9.1	.9	100.0	.9	99.1

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TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHT (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.7	.0	.0	.0	.0	.0	1.7
1-2	1.3	.0	1.7	.0	.0	.0	3.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
γOγ PCT	3.0	.0	1.7	.0	.0	.0	4.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.2	.0	.0	.0	.0	.0	2.2
1-2	.0	2.2	1.7	.0	.0	.0	3.9
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
γOγ PCT	2.2	2.2	1.7	.0	.0	.0	6.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.3	.0	.0	.0	.0	.0	1.3
1-2	.0	3.0	1.3	.0	.0	.0	4.3
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
γOγ PCT	1.3	3.0	1.3	.0	.0	.0	5.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.7	.4	.0	.0	.0	.0	2.2
1-2	.0	3.4	.4	.0	.0	.0	3.9
3-4	.0	3.4	.0	.0	.0	.0	3.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
γOγ PCT	1.7	7.3	.4	.0	.0	.0	9.3

PERIOD: (OVER-ALL) 1963-1978

FEBRUARY

TABLE 18 (CONT)

AREA 0009 SOLOMON ISLANDS NE
8.6S 160.8E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.7	1.3	.0	.0	.0	.0	3.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	1.3	.0	.0	.0	1.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.7	1.3	1.3	.0	.0	.0	4.3

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.2	.0	.0	.0	.0	2.2
3-4	.0	.0	.9	.0	.0	.0	.9
5-6	.0	.0	2.2	.0	.0	.0	2.2
7	.0	.0	.4	.0	.0	.0	.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.2	3.4	.0	.0	.0	5.6

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.7	1.7	.0	.0	.0	.0	3.4
1-2	.0	3.0	6.0	.0	.0	.0	9.1
3-4	.0	1.7	4.3	.0	.0	.0	6.0
5-6	.0	.0	6.5	.0	.0	.0	6.5
7	.0	.0	4.3	.0	.0	.0	4.3
8-9	.0	.0	1.3	.0	.0	.0	1.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.7	6.5	22.4	.0	.0	.0	30.6

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.4	6.9	.9	.0	.0	.0	8.2	
3-4	.0	3.4	3.9	.0	.0	.0	7.3	
5-6	.0	.0	3.4	.0	.0	.0	3.4	
7	.0	.0	.4	1.7	.0	.0	2.2	
8-9	.0	.0	2.2	1.7	.0	.0	3.9	
10-11	.0	.0	1.7	1.7	.0	.0	3.4	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.4	10.3	12.5	5.2	.0	.0	28.4	94.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	18.3	3.3	.0	.0	.0	.0	21.7	
1-2	1.7	20.0	11.7	.0	.0	.0	33.3	
3-4	.0	8.3	10.0	.0	.0	.0	18.3	
5-6	.0	.0	11.7	.0	.0	.0	11.7	
7	.0	.0	5.0	1.7	.0	.0	6.7	
8-9	.0	.0	3.3	1.7	.0	.0	5.0	
10-11	.0	.0	1.7	1.7	.0	.0	3.3	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	20.0	31.7	43.3	5.0	.0	.0	100.0	60

PERIOD: (OVER-ALL) 1957-1978

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.2	3.2	14.3	6.3	1.6	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	4
6-7	.0	1.6	6.3	3.2	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	5
8-9	.0	.0	6.3	11.1	1.6	3.2	6.3	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	6
10-11	.0	.0	1.6	1.6	.0	.0	.0	.0	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	11
12-13	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	1.6	4.8	3.2	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	3
TOTAL	3	6	22	16	2	2	6	2	4	0	0	0	0	0	0	0	0	0	0	63	5
PCT	4.8	9.5	34.9	25.4	3.2	3.2	9.5	3.2	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1946-1977
(OVER-ALL) 1939-1977

AREA 0005 SOLOMON ISLANDS NE
8.3S 160.5E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	1.7	2.6	.0	.0	.0	.0	4.3	6.0	5.1	.0	.0	.0	.0		84.6
NE	5.9	2.9	8.8	.0	.0	.0	.0	17.6	.0	.0	5.9	.0	.0	.0		76.5
E	8.9	.0	6.7	.0	.0	.0	.0	15.6	.0	.0	.0	.0	.0	.0		84.4
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
SW	.0	1.8	.0	.0	.0	.0	.0	1.8	.0	10.5	.0	.0	7.3	.0		78.4
W	5.2	3.9	.0	.0	.0	.0	.0	9.1	.0	9.1	.0	.0	.0	.0		81.8
NW	2.8	.0	.0	.0	.0	.0	.0	2.8	.7	4.8	.0	.0	.0	.0		91.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
TOT PCT	2.7	1.3	2.0	.0	.0	.0	.0	6.0	1.3	4.7	.7	.0	.7	.0		86.7
TOT OBS:	150															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	5.6	.0	5.6	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0		.0	88.9
06&09	4.8	1.6	3.2	.0	.0	.0	.0	9.7	.0	6.5	1.6	.0	1.6		.0	80.6
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.7	.0	.0	.0		.0	83.3
18&21	1.6	1.6	.0	.0	.0	.0	.0	3.3	3.3	1.6	.0	.0	.0		.0	91.8
TOT PCT	3.3	1.3	2.0	.0	.0	.0	.0	6.5	1.3	4.6	.7	.0	.7		.0	86.3
TOT OBS:	153															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	4.1	11.6	3.9	.0	.0	.0		19.6	7.4	35.3	.0	25.0	15.3	35.0	50.0	17.2	14.2
NE	2.6	7.4	1.3	.0	.0	.0		11.3	6.9	13.2	.0	9.1	13.9	10.0	.0	6.3	10.2
E	.7	7.4	.0	.0	.0	.0		8.0	7.0	16.2	.0	15.9	9.3	.0	.0	12.5	1.7
SE	3.3	4.1	1.3	.0	.0	.0		8.7	5.6	.0	.0	2.3	9.7	.0	.0	.0	17.6
S	.7	2.8	1.1	.0	.0	.0		4.6	6.7	4.4	.0	.0	3.1	.0	.0	.0	8.5
SW	1.3	6.2	1.5	.0	.0	.0		9.0	7.2	7.4	.0	18.2	7.4	.0	.0	6.3	12.5
W	2.6	9.0	.5	1.1	.0	.0		13.2	7.5	10.3	.0	18.2	12.0	.0	.0	17.2	16.5
NW	3.8	16.3	3.4	.2	.0	.0		23.7	7.2	13.2	.0	11.4	29.5	55.0	50.0	28.1	19.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.0							2.0	.0	.0	.0	.0	1.9	.0	.0	12.5	.0
TOT OBS	32	99	20	2	0	0	153		6.9	17	0	11	54	10	1	16	44
TOT PCT	20.9	64.7	13.1	1.3	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	10.5	7.8	1.3	.0	.0		19.6	7.4	35.3	16.9	36.4	15.0
NE	4.9	6.4	.0	.0	.0		11.3	6.9	13.2	13.1	9.1	9.2
E	3.4	4.6	.0	.0	.0		8.0	7.0	16.2	10.4	.0	4.6
SE	6.7	1.3	.7	.0	.0		8.7	5.6	.0	8.5	.0	12.9
S	3.4	1.1	.0	.0	.0		4.6	6.7	4.4	4.2	.0	5.8
SW	4.2	4.7	.0	.0	.0		9.0	7.2	7.4	9.2	.0	10.8
W	7.2	4.9	1.1	.0	.0		13.2	7.5	10.3	13.1	.0	10.7
NW	12.6	10.3	.8	.0	.0		23.7	7.2	13.2	23.1	54.5	21.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.0						2.0	.0	.0	1.5	.0	3.3
TOT OBS	84	63	6	0	0	153		6.9	17	65	11	60
TOT PCT	54.9	41.2	3.9	.0	.0		100.0		100.0	100.0	100.0	100.0

MARCH

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1939-1977

AREA 0005 SOLOMON ISLANDS NE
8.3S 160.5E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&04	.0	5.9	41.2	41.2	11.8	.0	.0	11.5	100.0	17
06&09	1.5	29.2	64.6	4.6	.0	.0	.0	5.4	100.0	65
12&15	.0	18.2	72.7	9.1	.0	.0	.0	6.5	100.0	11
18&21	5.3	11.7	70.0	15.0	.0	.0	.0	7.4	100.0	60
TOT	3	29	99	20	2	0	0	6.9		153
PCT	2.0	19.0	64.7	13.1	1.3	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	5.5	6.0	9.0	6.0		4.8
NE	.0	2.0	6.0	2.5		6.2
E	1.5	6.0	2.0	3.5		5.0
SE	.5	.0	.0	.0		2.0
S	.0	.0	.0	1.5		8.0
SW	.0	.0	2.0	2.5		7.1
W	2.0	3.5	5.5	2.0		5.3
NW	2.5	2.5	17.5	4.0		5.6
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	4.0	.0		7.0
TOT OBS	6	10	23	11	50	5.5
TOT PCT	12.0	20.0	46.0	22.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	2.0	.0	9.0	.0	.0	.0	.0	.0	15.5	
NE	.0	.0	2.5	2.0	2.0	.0	.0	.0	.0	.0	4.0	
E	.0	.0	1.5	2.0	2.0	.0	.0	.0	.0	.0	7.5	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	
S	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.5	2.0	.0	.0	.0	.0	.0	2.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.0	
NW	.0	.0	.0	2.0	3.0	2.0	2.0	.0	.0	.0	17.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	2.0	
TOT OBS	0	0	4	4	9	1	1	0	0	0	31	50
TOT PCT	.0	.0	8.0	8.0	18.0	2.0	2.0	.0	.0	.0	62.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
* OR >2000	2.0	3.9	3.9	3.9	3.9	3.9	3.9	3.9
* OR >1000	15.7	19.6	19.6	19.6	19.6	19.6	19.6	19.6
* OR >600	21.6	29.4	29.4	29.4	29.4	29.4	29.4	29.4
* OR >300	25.5	35.3	35.3	37.3	37.3	37.3	37.3	37.3
* OR >150	25.5	35.3	35.3	37.3	37.3	37.3	37.3	37.3
* OR > 0	25.5	35.3	35.3	37.3	37.3	37.3	37.3	37.3
TOTAL	13	18	18	19	19	19	19	19

TOTAL NUMBER OF OBS: 51 PCT FREQ NH <5/8: 62.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.0	13.4	15.4	13.5	17.3	9.6	19.2	1.9	7.7	.0	52

MARCH

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1935-1977

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.7	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.7	
1<2	PCP	.5	.2	.7	.0	.0	.0	.7	.0	.0	.0	2.0	
	NO PCP	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	1.3	
	TOT %	1.2	.8	.7	.0	.0	.0	.7	.0	.0	.0	3.4	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	1.8	.7	1.3	1.3	.0	2.0	1.2	3.0	.0	.0	11.4	
	TOT %	1.8	.7	1.3	1.3	.0	2.0	1.2	3.0	.0	.0	11.4	
5<10	PCP	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	1.3	
	NO PCP	1.8	1.5	.7	3.5	2.3	1.5	3.2	4.9	.0	.7	20.1	
	TOT %	1.8	2.9	.7	3.5	2.3	1.5	3.2	4.9	.0	.7	21.5	
10+	PCP	.3	.5	.5	.0	.0	.2	.3	.0	.0	.0	2.0	
	NO PCP	13.9	6.5	4.4	4.0	2.3	5.5	7.4	15.6	.0	1.3	61.1	
	TOT %	14.3	7.0	4.9	4.0	2.3	5.7	7.9	15.6	.0	1.3	63.1	
	TOT OBS												149
	TOT PCT	19.1	11.4	7.6	8.9	4.7	9.2	12.9	24.2	.0	2.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.7	.0	.0		.7	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.7	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.7	.0		.7	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.7	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	1.2	.8	1.3	.0	.0	.0	.7	.0	.0		4.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.2	.8	1.3	.0	.0	.0	.7	.0	.0	.0	4.0	
2<5	0-3	.0	.0	.7	.7	.0	.7	.0	.7	.0	.0	2.6	
	4-10	1.2	.7	.7	.7	.0	1.3	.7	1.3	.0		6.0	
	11-21	.7	.0	.0	.0	.0	.0	.5	.8	.0		2.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.8	.7	1.3	1.3	.0	2.0	1.2	3.0	.0	.0	11.3	
5<10	0-3	.7	.0	.0	2.0	.0	.0	2.0	.7	.0	.7	8.0	
	4-10	1.2	2.2	.7	.8	1.2	1.3	.7	4.0	.0		11.9	
	11-21	.0	.7	.0	.7	1.2	.2	.0	.0	.0		2.6	
	22+	.0	.0	.0	.0	.0	.0	.3	.2	.0		.7	
	TOT %	1.8	2.8	.7	3.5	2.3	1.5	3.1	4.8	.0	.7	21.2	
10+	0-3	3.0	2.6	.0	.7	.7	.7	.7	2.3	.0	1.3	11.9	
	4-10	7.8	3.6	4.8	2.6	1.7	3.6	6.3	10.4	.0		41.1	
	11-21	3.3	.7	.0	.7	.0	1.3	.0	2.6	.0		8.6	
	22+	.0	.0	.0	.0	.0	.0	.7	.0	.0		.7	
	TOT %	14.1	7.0	4.8	4.0	2.3	5.6	7.8	15.4	.0	1.3	62.3	
	TOT OBS												191
	TOT PCT	18.9	11.3	8.1	8.8	4.6	9.1	13.4	23.8	.0	2.0	100.0	

MARCH

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1935-1977

AREA 0005 SOLOMON ISLANDS NE
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	11.1	11.1	11.1	.0	.0	.0	.0	.0	33.3	66.7	18
06&09	.0	.0	.0	20.0	20.0	.0	.0	.0	.0	.0	40.0	60.0	10
12&15	.0	.0	.0	.0	20.0	10.0	10.0	.0	.0	.0	40.0	60.0	10
18&21	.0	.0	14.3	7.1	21.4	.0	.0	.0	.0	.0	42.9	57.1	14
TOT	0	0	4	5	9	1	1	0	0	0	20	32	52
PCT	.0	.0	7.7	9.6	17.3	1.9	1.9	.0	.0	.0	38.5	61.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	5.6	.0	27.8	66.7	18
06&09	1.6	1.6	7.8	23.4	28.1	37.5	64
12&15	.0	.0	.0	.0	8.3	91.7	12
18&21	.0	.0	.0	3.3	16.7	80.0	60
TOT	1	1	6	17	34	95	154
PCT	.6	.6	3.9	11.0	22.1	61.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	11.1	22.2	11.1	66.7	18
06&09	.0	.0	20.0	20.0	60.0	10
12&15	.0	.0	.0	40.0	60.0	10
18&21	.0	15.4	23.1	15.4	61.5	13
TOT	0	4	9	10	32	51
PCT	.0	7.8	17.6	19.6	62.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	1.5	.0	.0	.0	2	1.5
85/89	.0	.0	.0	.7	1.5	11.0	6.6	10.3	41	30.1
80/84	.0	.0	.0	.0	.0	10.3	38.2	17.6	90	66.2
75/79	.0	.0	.0	.0	.0	.0	.0	2.2	3	2.2
TOTAL	0	0	0	1	4	29	61	41	136	100.0
PCT	.0	.0	.0	.7	2.9	21.3	44.9	30.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.6	.9	.0	.0	.0	.0	.0	.0	.0	.0
4.0	3.9	2.2	2.6	1.8	2.9	2.6	9.4	.0	.7
15.3	7.0	5.0	5.9	2.8	4.2	9.6	15.1	.0	1.5
.0	.7	.0	.0	.0	.0	.7	.7	.0	.0
19.9	12.5	7.2	8.5	4.6	7.2	12.9	25.2	.0	2.2

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	86	87	87	84	78	78	78	83.7	17
06&09	95	94	87	84	79	77	77	83.6	65
12&15	85	84	84	83	80	80	80	82.8	12
18&21	95	94	88	83	81	79	79	83.6	62
TOT	95	94	87	84	80	77	75	83.6	156

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	6.3	25.0	43.8	25.0	83	16
06&09	.0	1.7	3.4	22.0	40.7	32.2	85	59
12&15	.0	.0	.0	45.5	45.5	9.1	80	11
18&21	.0	.0	1.9	13.5	50.0	34.6	86	52
TOT	0	1	4	29	62	42	85	138

MARCH

PERIOD: (PRIMARY) 1946-1977
(OVER-ALL) 1935-1977

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
11/13	.0	.0	.0	.0	.0	.7	1	.0	.7
9/10	.0	.0	.0	.0	.0	.7	1	.0	.7
8	.0	.0	.0	.7	1.5	.0	3	.0	2.2
7	.0	.0	.0	1.5	.0	.0	2	.0	1.5
6	.0	.0	.0	2.2	.0	.0	3	.0	2.2
5	.0	.0	.7	5.1	.0	.0	8	.0	5.8
4	.0	.0	.0	5.8	.0	.0	8	.0	5.8
3	.0	.0	1.5	6.6	.0	.0	11	.0	8.0
2	.0	.0	7.3	2.9	.0	.0	14	.0	10.2
1	.0	.0	13.9	1.5	.0	.0	21	.7	14.6
0	.0	.7	10.2	2.2	.0	.0	18	.0	13.1
-1	.0	.7	16.1	.0	.0	.0	23	.0	16.8
-2	.0	.0	7.3	.7	.0	.0	11	.0	8.0
-3	.0	2.2	1.5	.0	.0	.0	5	.0	3.6
-4	.0	2.2	1.5	.0	.0	.0	5	.0	3.6
-5	.0	1.5	.0	.0	.0	.0	2	.0	1.5
-6	.0	.0	.0	.0	.0	.0	1	.0	.7
-7/-8	.7	.0	.0	.0	.0	.0	1	.0	.7
TOTAL	1	10	82	40	2	2	137	1	136
PCT	.7	7.3	59.9	29.2	1.5	1.5	100.0	.7	99.3

PERIOD: (OVER-ALL) 1968-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.5	3.8	.0	.0	.0	.0	6.3
1-2	5.0	6.9	5.0	.0	.0	.0	16.9
3-4	.0	5.0	2.5	.0	.0	.0	7.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	7.5	15.6	7.5	.0	.0	.0	30.6

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.8	.0	.0	.0	.0	5.6
3-4	.0	2.5	2.5	.0	.0	.0	5.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.3	2.5	.0	.0	.0	10.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.4	.0	.0	.0	.0	4.4
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.4	.0	.0	.0	.0	4.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1977

MARCH

AREA 0009 SOLOMON ISLANDS NE
8.3S 160.5E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	1.9	.0	.0	.0	1.9
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	1.9	.0	.0	.0	1.9

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	5.0	.0	.0	.0	.0	5.0
3-4	.0	.0	.6	.0	.0	.0	.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.0	.6	.0	.0	.0	5.6

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	2.5	4.4	.0	.0	.0	.0	6.9
3-4	.0	2.5	.0	.0	.0	.0	2.5
5-6	.0	.0	.0	1.9	.0	.0	1.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.5	6.9	.0	1.9	.0	.0	11.3

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	3.8	.0	.0	.0	.0	3.8	
1-2	2.5	10.3	2.5	.0	.0	.0	21.3	
3-4	.0	.0	5.0	.0	.0	.0	5.0	
5-6	.0	.0	.0	.6	.0	.0	.6	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.5	20.0	7.5	.6	.0	.0	30.6	95.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.9	7.3	.0	.0	.0	.0	12.2	
1-2	14.6	41.5	7.3	.0	.0	.0	63.4	
3-4	.0	9.8	12.2	.0	.0	.0	22.0	
5-6	.0	.0	.0	2.4	.0	.0	2.4	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	19.5	58.5	19.5	2.4	.0	.0	100.0	41

PERIOD: (OVER-ALL) 1958-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	6.3	12.5	12.5	10.4	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	3
6-7	.0	2.1	16.7	6.3	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	4
8-9	.0	2.1	2.1	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	4
10-11	.0	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
12-13	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	4.2	2.1	2.1	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	3
TOTAL	5	9	17	12	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	3
PCT	10.4	18.8	35.4	25.0	10.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1882-1977

APRIL

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

AREA 0005 SOLOMON ISLANDS
8.7S 160.6E

WND DIR	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZ PCPN	SNOW	OTHER PRIN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W/ PCPN	SMOKE PCPN PAST HR	HAZE	BLWG DUST BLWG SNOW	SPRAY
N																
NE	11.9							20.9								
E	15.6	8.0						23.2	.0							
SE	13.1	6.7	6.0					18.0	.0		8.0					
S	4.2	.0	1.1	.0				8.3	.0		.0	.0				
SW	.0	.0	4.9	.0	.0	.0			.0		.0	.0	.0			
W	33.3	.0	4.2	.0	.0	.0	.0	33.3	.0		4.2					
NW	.0	.0	.0	.0	.0	.0	.0	10.0	.0		.0	.0	.0			
VAR	7.5	10.0	.0	.0	.0	.0	.0	22.5	.0		.0	.0	.0	.0		
CALM	.0	15.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0		
TOT PCT	.0	.0	.0	.0	.0	.0	.0	16.1	.0		1.6	.0	.0	.0		
TOT OBS:	8.9	.0	.0	.0	.0	.0	.0		.0		1.6	.0	.0	.0		
	124	4.8	2.4	.0	.0	.0	.0		.0			.0	.0	.0		

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZ PCPN	SNOW	OTHER PRIN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG W/ PCPN	SMOKE PCPN PAST HR	HAZE	BLWG DUST BLWG SNOW	SPRAY
00&03	.0															
06&09	9.3	.0	10.0					10.0								
12&15	8.7	8.7	.0	.0				13.0	.0							
18&21	12.5	.0	.0	.0	.0			13.3	1.9	.0	.0					
TOT PCT		10.0	6.7	.0	.0	.0	.0	22.5	.0	1.9	.0	.0				
TOT OBS:	8.5	.0	.0	.0	.0	.0	.0		2.5	.0	.0	.0	.0			
	129	4.7	2.3	.0	.0	.0	.0	15.5	.0	1.6	5.0	.0	.0	.0		
				.0	.0	.0	.0		.0		.0	.0	.0	.0		
											2.3	.0	.0	.0		
													.0	.0		
														.0		
															.0	

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)								
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21	
N								14.1										
NE	3.8	9.6						16.9	5.8									
E	4.1	9.6	.8					13.7	6.5	11.7								
SE	2.6	6.8	3.2	.0				18.8	8.2	23.3	.0	7.4						
S	3.0	10.3	4.3	.0	.0			4.9	6.5	5.0	.0	7.4	16.1	7.7				
SW	.0	4.3	5.5	.0	.0	.0		3.8	7.6	35.0	50.0	12.5	23.2	7.7	.0	18.2		
W	1.5	2.3	.8	.0	.0	.0		7.5	4.2	5.0	33.8	23.5	6.3	7.7	28.8	12.5	18.4	
NW	1.3	5.5	.0	.0	.0	.0		15.0	7.2	37.5	5.0	.0	17.5	28.8	40.6	37.5	9.1	18.5
VAR	3.9	9.6	.8	.0	.0	.0		.0	6.0	5.0	.0	.0	4.8	40.6	50.0	16.2	16.2	2.4
CALM	.0	.0	1.5	.0	.0	.0		5.3	.0	18.8	.0	.0	8.3	.0	.0	9.1	9.1	9.7
TOT OBS	5.3	.0	.0	.0	.0	.0	133		6.6	.0	.0	22.1	3.6	1.9	.0	9.1	9.1	6.5
TOT PCT	34			.0	.0	.0		100.0		6.7	.0	.0	23.2	5.8	.0	9.1	9.1	.8
	25.6	77	24	.0	.0	.0				15	.0	.0	.0	.0	.0	9.1	18.5	
		57.9	18.5	.0	.0	.0				2	.0	.0	.0	.0	.0	9.1	21.0	
				.0	.0	.0				100.0	100.0	100.0	100.0	100.0	100.0	18.5		
																21.0		

TABLE 3A

WND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-6	7-16	17-27	28-40	41+				00	03	06	09	12	15	18	21
N							14.1									
NE	9.8	4.3					16.9	5.8								
E	10.7	6.0	.0				13.7	6.5								
SE	6.0	7.1	.2	.0			18.8	8.2	10.3		13.6		6.7		19.0	
S	7.7	10.2	.6	.0	.0		4.9	6.5	20.6		18.6		8.3		16.1	
SW	3.0	1.3	.9	.0	.0		3.8	7.6	10.3		15.7		30.0		6.5	
W	3.2	.6	.8	.0	.0		7.5	4.2	32.4		15.7		41.7		9.5	
NW	3.6	.6	.8	.0	.0		15.0	7.2	6.8		3.4		.0		7.1	
VAR	10.2	3.2	.0	.0	.0		.0	6.0	.0		5.9		1.7		3.0	
CALM	.0	4.1	.8	.0	.0		5.3	.0	11.8		2.5		5.0		13.7	
TOT OBS	5.3	.0	.8	.0	.0	133		6.6	.0		22.9		.0		15.5	
TOT PCT	79		.8	.0	.0		100.0		5.9		.0		.0		.0	
	59.4	36.8	3.8						17		1.7		6.7		9.5	
									100.0		59		18		42	
											100.0		100.0		100.0	

APRIL

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1882-1977

AREA 0005 SOLOMON ISLANDS NE
8.7S 160.8E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	11.9	3.0	6.0	.0	.0	.0	.0	20.9	.0	6.0	.0	.0	.0	.0	.0	79.1
NE	15.6	6.7	1.1	.0	.0	.0	.0	23.3	.0	.0	.0	.0	.0	.0	.0	76.7
E	13.1	.0	4.9	.0	.0	.0	.0	18.0	.0	.0	.0	.0	.0	.0	.0	82.0
SE	4.2	.0	4.2	.0	.0	.0	.0	8.3	4.2	.0	.0	.0	.0	.0	.0	87.5
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	33.3	.0	.0	.0	.0	.0	.0	33.3	.0	33.3	.0	.0	.0	.0	.0	66.7
W	.0	10.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	90.0
NW	7.5	15.0	.0	.0	.0	.0	.0	22.5	5.0	.0	.0	.0	.0	.0	.0	72.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	8.9	4.8	2.4	.0	.0	.0	.0	16.1	1.6	1.6	.0	.0	.0	.0	.0	82.3
TOT OBS:	124															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	10.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	90.0
06&09	9.3	3.7	.0	.0	.0	.0	.0	13.0	1.9	1.9	.0	.0	.0	.0	.0	85.2
12&15	6.7	.0	6.7	.0	.0	.0	.0	13.3	.0	.0	.0	.0	.0	.0	.0	86.7
18&21	12.5	10.0	.0	.0	.0	.0	.0	22.5	2.5	5.0	.0	.0	.0	.0	.0	72.5
TOT PCT	8.5	4.7	2.3	.0	.0	.0	.0	15.5	1.6	2.3	.0	.0	.0	.0	.0	82.2
TOT OBS:	129															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	3.8	9.6	.8	.0	.0	.0		14.1	5.8	11.7	.0	7.4	16.1	7.7	.0	18.2	19.4
NE	4.1	9.6	3.2	.0	.0	.0		16.9	6.5	23.3	.0	7.4	23.2	7.7	12.5	9.1	18.5
E	2.6	6.8	4.3	.0	.0	.0		13.7	8.2	5.0	50.0	33.8	8.9	28.8	37.5	18.2	2.4
SE	3.0	10.3	5.5	.0	.0	.0		18.8	8.5	35.0	12.5	23.5	12.5	40.4	50.0	9.1	9.7
S	.0	4.3	.6	.0	.0	.0		4.9	7.6	5.0	37.5	.0	4.8	.0	.0	9.1	6.5
SW	1.5	2.3	.0	.0	.0	.0		3.8	4.3	.0	.0	.0	8.9	1.9	.0	9.1	.8
W	1.3	5.5	.8	.0	.0	.0		7.5	7.3	15.3	.0	.0	3.6	5.8	.0	.0	18.5
NW	3.9	9.6	1.5	.0	.0	.0		15.0	6.0	.0	.0	22.1	23.2	.0	.0	.0	21.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.3							5.3	.0	6.7	.0	5.9	.0	7.7	.0	27.3	3.2
TOT OBS	34	77	22	0	0	0	133		6.6	15	2	17	42	13	2	11	31
TOT PCT	25.6	57.9	16.5	.0	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	9.8	4.3	.0	.0	.0		14.1	5.8	10.3	13.6	6.7	19.0
NE	10.7	6.0	.2	.0	.0		16.9	6.5	20.6	18.6	8.3	16.1
E	6.0	7.1	.6	.0	.0		13.7	8.2	10.3	15.7	30.0	6.5
SE	7.7	10.2	.9	.0	.0		18.8	8.5	32.4	15.7	41.7	9.5
S	3.0	1.3	.6	.0	.0		4.9	7.6	8.8	3.4	.0	7.1
SW	3.2	.6	.0	.0	.0		3.8	4.3	.0	5.9	1.7	3.0
W	3.6	3.2	.8	.0	.0		7.5	7.3	11.8	2.5	5.0	13.7
NW	10.2	4.1	.8	.0	.0		15.0	6.0	.0	22.9	.0	15.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	5.3						5.3	.0	5.9	1.7	6.7	9.5
TOT OBS	79	49	5	0	0	133		6.6	17	59	15	42
TOT PCT	59.4	36.8	3.8	.0	.0		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1882-1977

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	5.9	11.8	35.3	47.1	.0	.0	.0	10.2	100.0	17
06&09	1.7	22.0	64.4	11.9	.0	.0	.0	6.1	100.0	59
12&15	6.7	13.3	66.7	13.3	.0	.0	.0	6.6	100.0	15
18&21	9.5	23.8	54.8	11.9	.0	.0	.0	5.9	100.0	42
TOT	7	27	77	22	0	0	0	6.6		133
PCT	5.3	20.3	57.9	16.5	.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.0	4.9	2.0	1.0		4.1
NE	.0	4.4	4.4	4.4		5.8
E	.0	7.4	9.3	5.4		5.7
SE	5.9	6.4	12.3	3.9		4.7
S	.0	.0	1.5	2.0		7.5
SW	.0	.0	.0	.5		8.0
W	.0	.0	2.0	3.4		7.2
NW	.0	.5	3.9	2.9		6.6
VAR	.0	.0	.0	.0		.0
CALM	3.9	.0	5.9	.0		4.0
TOT OBS	6	12	21	12	51	5.3
TOT PCT	11.8	23.5	41.2	23.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	8.8	
NE	.5	.0	.0	3.9	2.0	.0	.0	.0	.0	.0	6.9	
E	1.5	.0	.0	3.9	3.9	2.0	.0	.0	.0	.0	10.8	
SE	.0	.0	2.0	.0	3.9	.0	.5	.0	.0	.0	22.1	
S	.0	.0	.0	.0	2.0	.0	1.5	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0	2.0	
NW	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	6.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	2.0	.0	.0	.0	.0	7.8	
TOT OBS	1	0	1	6	7	2	1	0	0	0	33	51
TOT PCT	2.0	.0	2.0	11.8	13.7	3.9	2.0	.0	.0	.0	64.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >5OYD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
* OR >2000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
* OR >1000	12.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9
* OR >600	17.9	26.8	28.6	28.6	28.6	28.6	28.6	28.6
* OR >300	17.9	28.6	30.4	30.4	30.4	30.4	30.4	30.4
* OR >150	17.9	28.6	30.4	30.4	30.4	30.4	30.4	30.4
* OR > 0	19.6	30.4	32.1	32.1	32.1	32.1	32.1	32.1
TOTAL	11	17	18	18	18	18	18	18

TOTAL NUMBER OF OBS: 56 PCT FREQ NH <5/8: 67.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
1.6	4.9	21.3	23.0	13.1	9.8	8.2	6.6	9.8	1.6	61

APRIL

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1882-1977

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TABLE A

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	
	NO PCP	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	
	TOT %	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	
2<5	PCP	.0	.0	.8	.8	.0	.0	.0	.8	.0	.0	2.4	
	NO PCP	.0	.8	.6	1.0	.0	.0	.0	.0	.0	.0	2.4	
	TOT %	.0	.8	1.4	1.8	.0	.0	.0	.8	.0	.0	4.8	
5<10	PCP	1.2	3.2	.0	.8	.0	.0	.0	2.8	.0	.0	8.1	
	NO PCP	2.4	4.4	2.0	5.0	2.2	.2	1.6	8.7	.0	.0	26.6	
	TOT %	3.6	7.7	2.0	5.8	2.2	.2	1.6	11.5	.0	.0	34.7	
10+	PCP	.8	1.0	1.4	.0	.0	.8	.8	.0	.0	.0	4.8	
	NO PCP	7.5	8.7	7.5	11.7	3.0	1.4	5.6	3.8	.0	4.8	54.0	
	TOT %	8.3	9.7	8.9	11.7	3.0	2.2	6.5	3.8	.0	4.8	58.9	
	TOT OBS												124
	TOT PCT	13.5	18.1	12.3	19.4	5.2	2.4	8.1	16.1	.0	4.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	1.6	.0	.0	.8	.0	.8	.0	.0	.0		3.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.6	.0	.0	.8	.0	.8	.0	.0	.0	.0	3.2	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.8	.6	1.0	.0	.0	.0	.8	.0		3.2	
	11-21	.0	.0	.8	.8	.0	.0	.0	.0	.0		1.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.8	1.4	1.8	.0	.0	.0	.8	.0	.0	4.8	
5<10	0-3	.0	1.6	.0	.8	.0	.0	.0	2.4	.0	.0	4.8	
	4-10	2.8	5.2	2.0	2.6	2.2	.2	1.6	7.3	.0		23.8	
	11-21	.8	.8	.0	2.4	.0	.0	.0	1.6	.0		5.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	3.6	7.5	2.0	5.8	2.2	.2	1.6	11.3	.0	.0	34.1	
10+	0-3	3.2	2.8	2.8	2.4	.0	.8	1.4	1.8	.0	4.8	19.8	
	4-10	5.0	4.2	2.2	6.5	2.4	1.4	4.2	2.0	.0		27.8	
	11-21	.0	2.6	3.8	2.6	.6	.0	.8	.0	.0		10.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	8.1	9.5	8.7	11.5	3.0	2.2	6.3	3.8	.0	4.8	57.9	
	TOT OBS												126
	TOT PCT	13.3	17.9	12.1	19.8	5.2	3.2	7.9	15.9	.0	4.8	100.0	

APRIL

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1882-1977

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	5.6	.0	.0	11.1	.0	5.6	5.6	.0	.0	.0	27.8	72.2	18
06&09	.0	.0	.0	.0	18.8	.0	.0	.0	.0	.0	18.8	81.3	16
12&15	.0	.0	.0	18.2	18.2	.0	.0	.0	.0	.0	36.4	63.6	11
18&21	.0	.0	8.3	16.7	16.7	8.3	.0	.0	.0	.0	50.0	50.0	12
TOT	1	0	1	6	7	2	1	0	0	0	18	39	57
PCT	1.8	.0	1.8	10.5	12.3	3.5	1.8	.0	.0	.0	31.6	68.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	10.0	90.0	20
06&09	.0	.0	3.6	7.1	42.9	46.4	56
12&15	.0	.0	6.7	.0	20.0	73.3	15
18&21	.0	.0	2.5	5.0	35.0	57.5	40
TOT	0	0	4	6	43	78	131
PCT	.0	.0	3.1	4.6	32.8	59.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <30YD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	5.6	5.6	16.7	11.1	72.2	18
06&09	.0	.0	.0	18.8	81.3	16
12&15	.0	.0	20.0	20.0	60.0	10
18&21	.0	8.3	33.3	25.0	41.7	12
TOT	1	2	9	10	37	56
PCT	1.8	3.6	16.1	17.9	66.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
99/99	.0	.0	.0	.0	.0	1.0	.0	.0	1	1.0
85/89	.0	.0	.0	.0	1.0	19.3	7.1	3.1	24	24.5
80/84	.0	.0	.0	.0	2.0	12.2	32.7	25.5	71	72.4
75/79	.0	.0	.0	.0	.0	.0	.0	2.0	2	2.0
TOTAL	0	0	0	0	3	26	39	30	98	100.0
PCT	.0	.0	.0	.0	3.1	26.5	39.8	30.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0
0.9	4.3	1.8	4.1	1.0	.3	.8	4.3	.0	1.0
4.8	11.7	11.2	15.8	2.0	2.8	8.9	9.9	.0	9.1
.5	1.0	.0	.0	.0	.0	.0	.5	.0	.0
12.2	18.1	13.0	19.9	3.1	3.1	9.7	14.8	.0	6.1

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	88	87	87	84	80	80	80	84.1	19
06&09	88	87	87	83	80	75	75	83.2	56
12&15	84	83	83	82	79	79	79	82.2	15
18&21	95	94	86	82	77	75	75	82.4	40
TOT	95	88	87	83	80	75	75	83.0	130

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	.0	61.5	30.8	7.7	78	13
06&09	.0	.0	6.7	26.7	31.1	35.6	85	45
12&15	.0	.0	.0	23.1	69.2	7.7	82	13
18&21	.0	.0	.0	20.0	40.0	40.0	87	30
TOT	0	0	3	29	39	30	84	101

APRIL

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1882-1977

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
9/10	.0	.0	.0	.0	.0	.8	1	.0	.8
5	.0	.0	.8	.0	.0	.0	1	.0	.8
4	.0	.0	.0	.8	.0	.0	1	.0	.8
3	.0	.0	.0	1.7	.0	.0	2	.0	1.7
2	.0	.0	1.7	.8	.0	.0	3	.0	2.5
1	.0	1.7	.8	7.6	.0	.0	12	.0	10.1
0	.0	.8	10.1	5.0	.0	.0	19	.0	16.0
-1	.0	.8	10.1	3.4	.0	.0	17	.0	14.3
-2	.0	2.5	10.9	.8	.0	.0	17	.0	14.3
-3	.0	1.7	15.1	2.5	.0	.0	23	.0	19.3
-4	.0	1.7	4.2	.0	.0	.0	7	.0	5.9
-5	.8	3.4	3.4	.0	.0	.0	9	.0	7.6
-6	.0	1.7	.8	.0	.0	.0	3	.0	2.5
-7/-8	.0	1.7	.8	.0	.0	.0	3	.0	2.5
-9/-10	.8	.0	.0	.0	.0	.0	1	.0	.8
TOTAL	2	19	70	27	0	1	119	0	119
PCT	1.7	16.0	58.8	22.7	.0	.8	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	2.3	10.5	.0	.0	.0	.0	12.8
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.3	10.5	.0	.0	.0	.0	12.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.6	5.2	2.3	.0	.0	.0	8.1
3-4	.0	.0	4.7	.0	.0	.0	4.7
5-6	.0	.0	.6	.0	.0	.0	.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	5.2	7.6	.0	.0	.0	13.4

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	6.4	4.1	4.7	.0	.0	.0	15.1
3-4	.0	2.3	2.3	.0	.0	.0	4.7
5-6	.0	.0	1.7	.0	.0	.0	1.7
7	.0	.0	2.3	.0	.0	.0	2.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	6.4	6.4	11.0	.0	.0	.0	23.8

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	2.3	9.9	.0	.0	.0	.0	12.2
3-4	.0	9.3	.0	.0	.0	.0	9.3
5-6	.0	.0	4.7	.0	.0	.0	4.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.3	19.2	4.7	.0	.0	.0	26.2

PERIOD: (OVER-ALL) 1963-1977

APRIL

AREA 0005 SOLOMON ISLANDS NE
8.7S 160.8E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	2.3	.0	.0	.0	.0	2.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.3	.0	.0	.0	.0	2.3

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.6	.0	.0	.0	.0	.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.6	.0	.0	.0	.0	.6

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.3	.0	.0	.0	.0	2.3
3-4	.0	1.7	.0	.0	.0	.0	1.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	2.3	.0	.0	.0	2.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.1	2.3	.0	.0	.0	6.4

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	2.3	5.2	.0	.0	.0	.0	7.6	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.3	5.2	.0	.0	.0	7.6	93.0	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	12.8	.0	.0	.0	.0	.0	12.8	
1-2	14.9	34.0	6.4	.0	.0	.0	55.3	
3-4	.0	14.9	6.4	.0	.0	.0	21.3	
5-6	.0	.0	6.4	.0	.0	.0	6.4	
7	.0	.0	2.1	.0	.0	.0	2.1	
8-9	.0	.0	2.1	.0	.0	.0	2.1	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	27.7	48.9	23.4	.0	.0	.0	100.0	47

PERIOD: (OVER-ALL) 1956-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.9	23.1	15.4	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	3
6-7	.0	1.9	3.8	11.5	7.7	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	5
8-9	.0	1.9	1.9	1.9	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5
10-11	.0	.0	.0	1.9	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	6
12-13	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	3
>13	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	3.8	.0	3.8	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	2
TOTAL	3	14	15	12	7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	52	4
PCT	5.8	26.9	28.8	23.1	13.5	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MAY

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1883-1977

AREA 0005 SOLOMON ISLANDS NE
8.8S 160.9E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLNG BLNG	DUST SNOW	NO SIG WEA
N	14.3	.0	14.3	.0	.0	.0	.0	28.6	.0	14.3	.0	.0	.0		.0	57.1
NE	16.7	.0	.0	.0	.0	.0	.0	16.7	13.3	3.3	.0	.0	.0		.0	66.7
E	8.5	8.5	2.1	.0	.0	.0	.0	19.0	5.4	10.6	.0	.0	.0		.0	64.8
SE	5.1	5.1	.6	.0	.0	.0	.0	9.0	10.3	.6	.0	.0	.6		.0	79.5
S	.0	11.5	.0	.0	.0	.0	.0	11.5	.0	.0	.0	.0	11.5		.0	76.9
SW	16.2	.0	18.2	.0	.0	.0	.0	36.4	.0	.0	.0	.0	.0		.0	63.6
W	11.1	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0		.0	88.9
NW	4.2	33.3	4.2	.0	.0	.0	.0	41.7	.0	.0	.0	.0	.0		.0	58.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	20.0	.0	.0	.0	.0	.0	20.0	.0	20.0	.0	.0	.0		.0	60.0
TOT PCT	7.7	6.8	2.6	.0	.0	.0	.0	17.1	6.0	5.1	.0	.0	.9		.0	70.9
TOT OBS:	117															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLNG BLNG	DUST SNOW	NO SIG WEA
00&03	.0	5.6	5.6	.0	.0	.0	.0	11.1	11.1	.0	.0	.0	.0		.0	77.8
06&09	13.9	2.8	2.8	.0	.0	.0	.0	19.4	5.6	5.6	.0	.0	.0		.0	69.4
12&15	9.5	4.8	.0	.0	.0	.0	.0	14.3	9.5	4.8	.0	.0	.0		.0	71.4
18&21	4.3	10.9	2.2	.0	.0	.0	.0	17.4	2.2	6.5	.0	.0	2.2		.0	71.7
TOT PCT	7.4	6.6	2.5	.0	.0	.0	.0	16.5	5.8	5.0	.0	.0	.8		.0	71.9
TOT OBS:	121															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.6	1.6	2.2	.0	.0	.0		5.0	8.8	4.7	.0	.0	4.2	3.9	.0	3.4	11.5
NE	1.0	4.8	.2	.0	.0	.0		6.0	6.1	6.3	.0	.0	4.2	11.8	.0	3.4	9.6
E	3.2	19.4	7.5	.0	.0	.0		30.0	8.6	29.7	.0	51.7	21.9	50.0	.0	28.4	14.4
SE	1.6	16.1	16.3	.0	.0	.0		34.1	10.3	45.3	100.0	36.7	45.8	14.3	100.0	29.5	27.9
S	.8	3.2	1.2	.0	.0	.0		5.2	7.1	.0	.0	5.0	3.1	3.9	.0	12.5	5.8
SW	.0	4.4	.0	.0	.0	.0		4.4	5.6	.0	.0	.0	8.3	.0	.0	1.1	12.9
W	1.6	3.2	.6	.0	.0	.0		5.4	5.0	3.1	.0	.0	11.5	.0	.0	3.4	10.8
NW	.0	4.6	.2	.0	.0	.0		4.8	7.0	4.7	.0	6.7	1.0	5.3	.0	4.5	7.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.8							4.8	.0	6.3	.0	.0	.0	10.5	.0	13.6	.0
TOT OBS	18	71	35	0	0	0	124		8.1	16	1	15	24	19	1	22	26
TOT PCT	14.5	57.3	28.2	.0	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.2	2.2	.6	.0	.0		5.0	8.8	4.4	2.6	3.8	7.8
NE	4.2	1.6	.2	.0	.0		6.0	6.1	3.9	2.6	11.3	6.8
E	11.7	15.1	3.2	.0	.0		30.0	8.6	27.9	33.3	47.5	20.8
SE	10.5	20.4	3.2	.0	.0		34.1	10.3	48.5	42.3	18.8	28.6
S	2.8	2.4	.0	.0	.0		5.2	7.1	.0	3.8	3.8	8.9
SW	3.6	.8	.0	.0	.0		4.4	5.6	.0	5.1	.0	7.3
W	4.8	.6	.0	.0	.0		5.4	5.0	2.9	7.1	.0	7.3
NW	2.8	2.0	.0	.0	.0		4.8	7.0	4.4	3.2	5.0	6.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.8						4.8	.0	3.9	.0	10.0	6.3
TOT OBS	39	36	9	0	0	124		8.1	17	39	20	48
TOT PCT	47.6	43.2	7.3	.0	.0		100.0		100.0	100.0	100.0	100.0

MAY

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1883-1977

AREA 0005 SOLOMON ISLANDS NE
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&09	5.9	.0	41.2	52.9	.0	.0	.0	10.8	100.0	17
06&09	.0	10.3	59.0	30.8	.0	.0	.0	8.4	100.0	39
12&15	10.0	.0	55.0	35.0	.0	.0	.0	9.7	100.0	20
18&21	6.3	16.7	62.5	14.6	.0	.0	.0	6.3	100.0	48
TOT	6	12	71	35	0	0	0	8.1		124
PCT	4.8	9.7	57.3	28.2	.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	1.2	2.3		7.0
NE	.0	.8	5.1	.4		5.3
E	4.3	15.6	11.7	9.4		5.0
SE	2.0	5.5	19.9	5.1		5.9
S	.0	1.6	2.7	1.2		5.8
SW	.0	.0	.0	.0		.0
W	.0	.8	.0	.0		3.0
NW	.0	2.3	.0	2.0		5.2
VAR	.0	.0	.0	.0		.0
CALM	.0	1.6	3.1	1.6		5.2
TOT OBS	4	18	28	14	64	5.4
TOT PCT	6.3	28.1	43.8	21.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	2.3	
NE	.0	.0	.0	.0	1.6	.0	.0	.0	.0	.0	4.7	
E	.0	.0	1.6	4.7	1.2	3.1	.0	.0	.0	.0	30.5	
SE	.0	.0	1.6	3.5	2.0	4.7	.0	.0	.0	.0	20.7	
S	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	4.3	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	
NW	.0	.0	.4	1.6	.0	.0	.0	.0	.0	.0	2.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	
TOT OBS	0	0	3	7	3	5	0	0	0	0	46	64
TOT PCT	.0	.0	4.7	10.9	4.7	7.8	.0	.0	.0	.0	71.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	6.0	7.5	7.5	7.5	7.5	7.5	7.5	7.5
* OR >1000	10.4	11.9	11.9	11.9	11.9	11.9	11.9	11.9
* OR >400	16.4	22.4	25.4	25.4	25.4	25.4	25.4	25.4
* OR >300	19.4	25.4	29.9	29.9	29.9	29.9	29.9	29.9
* OR >150	19.4	25.4	29.9	29.9	29.9	29.9	29.9	29.9
* OR > 0	19.4	25.4	29.9	29.9	29.9	29.9	29.9	29.9
TOTAL	13	17	20	20	20	20	20	20

TOTAL NUMBER OF OBS: 67

PCT FREQ NH <5/8: 70.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
1.4	9.6	15.1	20.0	13.7	2.7	11.0	8.2	12.3	.0	73

MAY

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1883-1977

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8.8S 160.9E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	3.4	.9	.0	.0	.0	.0	.0	.0	4.3	
	NO PCP	.0	.0	.6	4.5	.0	.9	.9	.0	.0	.0	6.8	
	TOT %	.0	.0	4.1	5.3	.0	.9	.9	.0	.0	.0	11.1	
5<10	PCP	.0	.0	.0	.9	.0	.0	.6	1.9	.0	.0	3.4	
	NO PCP	.9	1.7	.6	5.8	3.0	.0	.0	.0	.0	1.7	13.7	
	TOT %	.9	1.7	.6	6.6	3.0	.0	.6	1.9	.0	1.7	17.1	
10+	PCP	1.3	1.1	2.6	1.3	.6	1.7	.0	.2	.0	.9	9.4	
	NO PCP	2.4	3.6	23.3	20.1	1.9	2.1	4.3	3.0	.0	1.7	62.4	
	TOT %	3.6	4.7	25.6	21.4	2.6	3.8	4.3	3.2	.0	2.6	71.8	
	TOT OBS												117
	TOT PCT	4.5	6.4	30.3	33.3	5.6	4.7	5.8	5.1	.0	4.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.8	.0	.6	.2	.0	.0	.0	.0	.0		1.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.8	.0	.6	.2	.0	.0	.0	.0	.0	.0	1.7	
2<5	0-3	.0	.0	.8	.8	.0	.0	.8	.0	.0	.0	2.5	
	4-10	.0	.0	1.5	2.7	.0	.8	.0	.0	.0		5.0	
	11-21	.0	.0	1.7	1.7	.0	.0	.0	.0	.0		3.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	4.0	5.3	.0	.8	.8	.0	.0	.0	10.9	
5<10	0-3	.0	.0	.0	.0	.8	.0	.0	.0	.0	1.7	2.5	
	4-10	.0	1.7	.6	3.2	2.1	.0	.0	1.7	.0		9.2	
	11-21	.8	.0	.0	3.4	.0	.0	.6	.2	.0		5.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.8	1.7	.6	6.5	2.9	.0	.6	1.9	.0	1.7	16.8	
10+	0-3	1.3	1.1	2.5	.8	.0	.0	.8	.0	.0	2.9	9.2	
	4-10	1.3	3.4	18.1	8.4	1.3	3.8	3.4	3.2	.0		42.9	
	11-21	.6	.2	4.6	11.8	1.3	.0	.0	.0	.0		18.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	3.6	4.6	25.2	21.0	2.5	3.8	4.2	3.2	.0	2.5	70.6	
	TOT OBS												119
	TOT PCT	5.3	6.3	30.5	33.0	5.5	4.6	5.7	5.0	.0	4.2	100.0	

PERIOD: (PRIMARY) 1946-1977
(OVER-ALL) 1883-1977

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8.8S 160.9E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	5.6	.0	11.1	.0	.0	.0	.0	.0	16.7	83.3	18
06&09	.0	.0	6.7	20.0	.0	20.0	.0	.0	.0	.0	46.7	53.3	15
12&15	.0	.0	5.6	11.1	5.6	5.6	.0	.0	.0	.0	27.8	72.2	18
18&21	.0	.0	.0	23.5	.0	5.9	.0	.0	.0	.0	29.4	70.6	17
TOT	0	0	3	9	3	5	0	0	0	0	20	48	68
PCT	.0	.0	4.4	13.2	4.4	7.4	.0	.0	.0	.0	29.4	70.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	5.6	5.6	88.9	18
06&09	.0	.0	5.3	18.4	21.1	55.3	38
12&15	.0	.0	.0	9.5	19.0	71.4	21
18&21	.0	.0	.0	6.5	17.4	76.1	46
TOT	0	0	2	13	21	87	123
PCT	.0	.0	1.6	10.6	17.1	70.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	5.6	11.1	11.1	77.8	18
06&09	.0	6.7	26.7	20.0	53.3	15
12&15	.0	5.9	17.6	11.8	70.6	17
18&21	.0	.0	23.5	5.9	70.6	17
TOT	0	3	13	8	46	67
PCT	.0	4.5	19.4	11.9	68.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.9	.0	.0	.0	1	.9
85/89	.0	.0	.0	.0	1.8	9.9	4.5	1.8	20	18.0
80/84	.0	.0	.0	.0	.0	18.0	31.5	17.1	74	66.7
75/79	.0	.0	.0	.0	.0	.9	5.4	8.1	16	14.4
TOTAL	0	0	0	0	3	32	46	30	111	100.0
PCT	.0	.0	.0	.0	2.7	28.8	41.4	27.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.9	.0	.0	.0	.0	.0	.0	.0	.0
.0	.9	6.8	7.7	.0	.9	.9	.9	.0	.0
4.3	1.1	20.5	23.4	2.9	2.3	4.5	3.2	.0	4.5
1.4	1.1	3.6	3.2	2.3	.9	.7	1.4	.0	.0
5.6	4.1	30.9	34.2	5.2	4.1	6.1	5.4	.0	4.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	86	85	85	85	79	79	79	84.1	18
06&09	88	87	86	83	79	78	78	82.4	37
12&15	84	83	83	82	79	79	79	81.8	22
18&21	93	92	87	82	77	76	76	81.9	48
TOT	93	89	86	83	78	76	76	82.4	125

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	6.7	60.0	33.3	.0	77	15
06&09	.0	.0	2.9	20.0	40.0	37.1	87	35
12&15	.0	.0	.0	31.6	42.1	26.3	84	19
18&21	.0	.0	2.2	24.4	46.7	26.7	85	45
TOT	0	0	3	33	48	30	84	114

MAY

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1883-1977

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
11/13	.0	.0	.0	.0	.9	.0	1	.0	.9
9/10	.0	.0	.0	.0	.0	.9	1	.0	.9
5	.0	.0	.0	.9	.0	.0	1	.0	.9
4	.0	.0	.0	1.9	.0	.0	2	.0	1.9
3	.0	.0	.9	.9	.9	.0	3	.0	2.8
2	.0	.0	.9	.0	.0	.0	1	.0	.9
1	.0	.0	.9	2.8	.0	.0	4	.0	3.8
0	.0	.0	2.8	3.8	.0	.0	7	.0	6.6
-1	.0	.9	7.5	2.8	.0	.0	12	.0	11.3
-2	.0	2.8	20.8	.9	.0	.0	26	.0	24.5
-3	.0	.0	7.5	1.9	.0	.0	10	.0	9.4
-4	.0	2.8	6.6	.0	.0	.0	10	.0	9.4
-5	.0	5.7	3.8	.9	.0	.0	11	.0	10.4
-6	.0	7.5	.9	.0	.0	.0	9	.0	8.5
-7/-8	.0	6.6	.0	.0	.0	.0	7	.0	6.6
-9/-10	.9	.0	.0	.0	.0	.0	1	.0	.9
TOTAL	1		56		2			0	106
		28		18		1	106		
PCT	.9	26.4	52.9	17.0	1.8	.9	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.4	.0	.0	.0	.0	.0	1.4
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	1.4	.0	.0	.0	.0	1.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	1.4	.0	.0	.0	.0	2.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	1.8	.0	.0	.0	.0	2.3
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	1.8	.0	.0	.0	.0	2.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.4	.0	.0	.0	.0	1.4
1-2	.0	19.1	1.4	.0	.0	.0	20.5
3-4	1.8	10.9	7.3	.0	.0	.0	20.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	1.8	.0	.0	.0	1.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.8	31.4	10.5	.0	.0	.0	43.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.3	.0	.0	.0	.0	2.3
1-2	.0	2.7	11.4	.0	.0	.0	14.1
3-4	.0	4.1	14.5	.0	.0	.0	18.6
5-6	.0	.0	1.8	.0	.0	.0	1.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	9.1	27.7	.0	.0	.0	36.8

MAY

PERIOD: (OVER-ALL) 1964-1977 AREA 0005 SOLOMON ISLANDS NE 8.8S 160.9E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.8	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	1.4	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.8	1.4	.0	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	1.8	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	1.8	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.5	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	4.1	.0	.0	.0	.0	4.1	92.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	12.3	7.0	.0	.0	.0	.0	19.3	
1-2	1.8	22.8	12.3	.0	.0	.0	36.8	
3-4	1.8	17.5	21.1	.0	.0	.0	40.4	
5-6	.0	.0	1.8	.0	.0	.0	1.8	
7	.0	.0	1.8	.0	.0	.0	1.8	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	15.8	47.4	36.8	.0	.0	.0	100.0	57

PERIOD: (OVER-ALL) 1954-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.6	10.9	6.3	10.9	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	3
6-7	.0	.0	6.3	18.8	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	5
8-9	.0	.0	.0	7.8	4.7	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	6
10-11	.0	.0	1.6	.0	3.1	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	6
12-13	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	9.4	3.1	1.6	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	2
TOTAL	7	9	12	24	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	64	4
PCT	10.9	14.1	18.8	37.5	12.5	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1882-1977

AREA 0005 SOLOMON ISLANDS NE
9.1S 161.1E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	14.3	.0	.0	.0	.0	.0	.0	14.3	.0	.0	.0	.0	.0		.0	85.7
NE	.0	.0	.0	.0	.0	.0	.0	.0	18.6	.0	.0	.0	.0		.0	81.4
E	7.5	13.5	.0	.0	.0	.0	.0	21.2	1.8	.0	.0	.0	2.4		.0	74.7
SE	7.4	12.8	.0	.0	.0	.0	.0	20.2	2.9	2.0	.0	.0	.0		.0	75.4
S	.0	18.4	.0	.0	.0	.0	.0	18.4	.0	10.5	.0	.0	.0		.0	71.1
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NW	40.0	.0	.0	.0	.0	.0	.0	40.0	.0	.0	.0	.0	.0		.0	60.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	7.0	10.9	.0	.0	.0	.0	.0	17.8	3.1	1.6	.0	.0	.8		.0	76.7
TOT OBS:	129															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	4.8	9.5	.0	.0	.0	.0	.0	14.3	14.3	.0	.0	.0	.0		.0	71.4
06609	9.8	8.2	.0	.0	.0	.0	.0	18.0	1.6	3.3	.0	.0	1.6		.0	75.4
12615	.0	16.7	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0		.0	83.3
18621	5.4	13.5	.0	.0	.0	.0	.0	18.9	.0	.0	.0	.0	.0		.0	81.1
TOT PCT	6.9	10.7	.0	.0	.0	.0	.0	17.6	3.1	1.5	.0	.0	.8		.0	77.1
TOT OBS:	131															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.7	1.8	.5	.0	.0	.0		5.0	5.4	8.3	.0	.0	7.8	.0	.0	.0	6.3
NE	1.4	4.3	2.0	.0	.7	.0		8.4	9.4	15.5	.0	7.1	8.5	1.9	.0	.0	10.7
E	3.4	20.0	8.8	1.1	.0	.0		33.2	8.5	32.1	.0	38.1	31.7	40.4	.0	29.2	31.3
SE	3.0	18.9	16.8	1.1	.0	.0		39.8	10.4	31.0	.0	41.7	47.2	57.7	.0	58.3	17.0
S	.7	4.8	1.3	.0	.0	.0		6.8	8.3	3.6	.0	13.1	2.2	.0	.0	12.5	12.5
SW	.7	.7	.0	.0	.0	.0		1.4	3.0	.0	.0	.0	.0	.0	.0	.0	7.1
W	1.4	1.4	.0	.0	.0	.0		2.9	3.5	.0	.0	.0	2.2	.0	.0	.0	10.7
NW	.9	.9	.0	.0	.0	.0		1.8	4.3	4.8	.0	.0	.6	.0	.0	.0	4.9
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.7							.7	.0	4.8	.0	.0	.0	.0	.0	.0	.0
TOT OBS	21	74	41	3	1	0	140		8.8	21	0	21	45	13	0	12	28
TOT PCT	15.0	52.9	29.3	2.1	.7	.0		100.0		100.0	.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.7	2.3	.0	.0	.0		5.0	5.4	8.3	5.3	.0	4.4
NE	4.1	3.6	.0	.7	.0		8.4	9.4	15.5	8.0	1.9	7.5
E	15.0	16.3	2.0	.0	.0		33.2	8.5	32.1	33.7	40.4	30.6
SE	13.4	19.1	7.3	.0	.0		39.8	10.4	31.0	45.5	57.7	29.4
S	2.5	3.6	.7	.0	.0		6.8	8.3	3.6	5.7	.0	12.5
SW	1.4	.0	.0	.0	.0		1.4	3.0	.0	.0	.0	5.0
W	2.9	.0	.0	.0	.0		2.9	3.5	.0	1.5	.0	7.5
NW	1.6	.2	.0	.0	.0		1.8	4.3	4.8	.4	.0	3.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.7						.7	.0	4.8	.0	.0	.0
TOT OBS	62	63	14	1	0	140		8.8	21	66	13	40
TOT PCT	44.3	45.0	10.0	.7	.0		100.0		100.0	100.0	100.0	100.0

JUNE

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1882-1977

AREA 0005 SOLOMON ISLANDS NE
9.1S 161.1E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	4.8	4.8	47.6	42.9	.0	.0	.0	9.5	100.0	21
06&09	.0	15.2	48.5	33.3	1.5	1.5	.0	9.4	100.0	66
12&15	.0	7.7	69.2	15.4	7.7	.0	.0	8.4	100.0	13
18&21	.0	20.0	57.5	20.0	2.5	.0	.0	7.8	100.0	40
TOT	1	20	74	41	3	1	0	8.8		140
PCT	.7	14.3	52.9	29.3	2.1	.7	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	3.0	.0		5.5
NE	.0	.4	4.7	1.7		6.0
E	6.8	10.2	9.7	8.9		4.8
SE	5.1	8.5	20.8	8.5		5.6
S	1.7	1.3	2.5	3.0		5.2
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	1.7		8.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	1.7	.0		6.0
TOT OBS	8	12	25	14	59	5.4
TOT PCT	13.6	20.3	42.4	23.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0	1.7	
NE	.0	.0	1.7	.0	.0	.4	.0	.0	.0	.0	4.7	
E	1.3	1.7	1.3	4.2	1.7	1.3	.0	.0	.0	.0	24.2	
SE	.4	.0	2.1	6.4	10.2	.4	2.1	.0	.0	.0	21.2	
S	.0	.0	.0	1.3	.0	.0	1.3	.0	.0	.0	5.9	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	
TOT OBS	1	1	3	7	8	2	2	0	0	0	35	59
TOT PCT	1.7	1.7	5.1	11.9	13.6	3.4	3.4	.0	.0	.0	59.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3500	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
= OR >2000	4.9	6.6	6.6	6.6	6.6	6.6	6.6	6.6
= OR >1000	14.8	21.3	21.3	21.3	21.3	21.3	21.3	21.3
= OR >600	21.3	31.1	31.1	31.1	32.8	32.8	32.8	32.8
= OR >300	21.3	34.4	36.1	36.1	37.7	37.7	37.7	37.7
= OR >150	23.0	36.1	37.7	37.7	39.3	39.3	39.3	39.3
= OR > 0	23.0	36.1	37.7	37.7	39.3	39.3	41.0	41.0
TOTAL	14	22	23	23	24	24	25	25

TOTAL NUMBER OF OBS: 61 PCT FREQ NH <5/8: 59.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.2	6.5	19.4	14.5	16.1	8.1	6.5	8.1	16.1	1.6	62

JUNE

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1882-1977

AREA 0005 SOLOMON ISLANDS NE
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.6	.2	.0	.0	.0	.0	.0	.0	.8	
	NO PCP	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.8	
	TOT %	.0	.0	.6	1.0	.0	.0	.0	.0	.0	.0	1.6	
1/2<1	PCP	.0	.0	.8	.8	.8	.0	.0	.0	.0	.0	2.3	
	NO PCP	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.8	
	TOT %	.0	.0	.8	1.6	.8	.0	.0	.0	.0	.0	3.1	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.8	
	TOT %	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.8	
2<5	PCP	.8	.0	.8	1.6	.0	.0	.0	.0	.0	.0	3.1	
	NO PCP	.6	1.0	3.9	3.7	.0	.0	.0	.2	.0	.0	9.3	
	TOT %	1.4	1.0	4.7	5.2	.0	.0	.0	.2	.0	.0	12.4	
5<10	PCP	.0	.0	4.3	2.7	.0	.0	.0	.8	.0	.0	7.8	
	NO PCP	.6	3.3	3.3	8.5	2.1	.8	.0	.0	.0	.0	18.6	
	TOT %	.6	3.3	7.6	11.2	2.1	.8	.0	.8	.0	.0	26.4	
10+	PCP	.0	.0	.6	2.7	.6	.0	.0	.0	.0	.0	3.9	
	NO PCP	3.5	3.3	18.8	17.6	3.9	.0	3.1	1.0	.0	.8	51.9	
	TOT %	3.5	3.3	19.4	20.3	4.5	.0	3.1	1.0	.0	.8	55.8	
	TOT OBS												129
	TOT PCT	5.4	8.3	32.9	39.3	7.4	.8	3.1	1.9	.0	.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.6	.2	.0	.0	.0	.0	.0		.8	
	11-21	.0	.0	.6	.9	.0	.0	.0	.0	.0		1.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	1.1	1.1	.0	.0	.0	.0	.0	.0	2.3	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.8	.0	.8	.0	.0	.0	.0		1.5	
	11-21	.0	.0	.0	1.5	.0	.0	.0	.0	.0		1.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.8	1.5	.8	.0	.0	.0	.0	.0	3.0	
1<2	0-3	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.8	
	4-10	.0	.0	.0	.8	.0	.0	.0	.0	.0		.8	
	11-21	.0	.8	.0	.0	.0	.0	.0	.0	.0		.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	1.5	.0	.8	.0	.0	.0	.0	.0	.0	2.3	
2<5	0-3	.6	.0	.6	.9	.0	.0	.0	.2	.0	.0	2.3	
	4-10	.8	.8	2.8	2.5	.0	.0	.0	.0	.0		6.8	
	11-21	.0	.2	1.1	1.7	.0	.0	.0	.0	.0		3.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.3	.9	4.5	5.1	.0	.0	.0	.2	.0	.0	12.1	
5<10	0-3	.0	.0	1.5	.0	.8	.8	.0	.0	.0	.0	3.0	
	4-10	.6	1.7	3.2	4.5	.6	.0	.0	.8	.0		11.4	
	11-21	.0	.8	1.5	3.3	.8	.0	.0	.0	.0		8.3	
	22+	.0	.8	1.1	1.1	.0	.0	.0	.0	.0		3.0	
	TOT %	.6	3.2	7.4	11.0	2.1	.8	.0	.8	.0	.0	25.8	
10+	0-3	2.3	.8	1.5	2.3	.0	.0	1.5	.8	.0	.8	9.8	
	4-10	.6	2.1	13.1	10.6	3.8	.0	1.5	.2	.0		31.8	
	11-21	.6	.4	4.4	7.0	.6	.0	.0	.0	.0		12.9	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	3.4	3.2	18.9	19.9	4.4	.0	3.0	.9	.0	.8	54.5	
	TOT OBS												132
	TOT PCT	5.3	8.9	32.8	39.4	7.2	.8	3.0	1.9	.0	.8	100.0	

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1882-1977

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	4.8	.0	9.5	.0	23.8	4.8	9.5	.0	.0	.0	52.4	47.6	21
06&09	.0	5.3	.0	21.1	15.8	.0	.0	.0	.0	.0	42.1	57.9	19
12&15	.0	.0	9.1	9.1	.0	9.1	.0	.0	.0	.0	27.3	72.7	11
18&21	.0	.0	.0	18.2	9.1	.0	.0	.0	.0	.0	27.3	72.7	11
TOT	1	1	3	7	9	2	2	0	0	0	25	37	62
PCT	1.6	1.6	4.8	11.3	14.5	3.2	3.2	.0	.0	.0	40.3	59.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	4.8	.0	4.8	4.8	19.0	66.7	21
06&09	3.2	4.8	1.6	23.8	27.0	39.7	63
12&15	.0	.0	.0	.0	25.0	75.0	12
18&21	.0	2.6	2.6	.0	28.9	65.8	38
TOT	3	4	3	16	35	73	134
PCT	2.2	3.0	2.2	11.9	26.1	54.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50yD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	4.8	14.3	19.0	38.1	42.9	21
06&09	.0	10.5	26.3	15.8	57.9	19
12&15	.0	10.0	20.0	10.0	70.0	10
18&21	.0	.0	18.2	9.1	72.7	11
TOT	1	6	13	13	35	61
PCT	1.6	9.8	21.3	21.3	57.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.0	3.7	5.6	.9	11	10.3
80/84	.0	.0	.0	.0	.9	13.1	44.9	20.6	85	79.4
75/79	.0	.0	.0	.0	.0	.0	2.8	7.5	11	10.3
TOTAL	0	0	0	0	1	18	57	31	107	100.0
PCT	.0	.0	.0	.0	.9	16.8	53.3	29.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.7	1.2	4.9	2.3	.9	.0	.0	.2	.0	.0
5.1	5.6	24.3	35.0	5.4	.0	2.8	1.2	.0	.0
.0	1.9	3.5	3.3	1.6	.0	.0	.0	.0	.0
5.8	8.6	32.7	40.7	7.9	.0	2.8	1.4	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	88	87	87	83	78	78	78	83.1	23
06&09	87	86	86	82	79	77	77	82.2	63
12&15	84	83	83	82	80	80	80	82.2	11
18&21	87	86	85	82	79	78	78	81.7	40
TOT	88	87	87	82	79	77	77	82.2	137

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	.0	26.7	60.0	13.3	83	15
06&09	.0	.0	1.9	15.4	51.9	30.8	86	52
12&15	.0	.0	.0	30.0	50.0	20.0	83	10
18&21	.0	.0	.0	15.6	50.0	34.4	86	32
TOT	0	0	1	20	57	31	85	109

JUNE

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1882-1977

TABLE 17

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PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	TOT	W FOG	WO FOG
7/8	.0	.0	.9	1	.0	.9
5	.0	.0	.9	1	.0	.9
4	.0	.0	.9	1	.0	.9
3	.0	.0	1.9	2	.0	1.9
2	.0	.9	1.9	3	.0	2.8
1	.0	.9	3.7	5	.0	4.6
0	.9	7.4	2.8	12	.0	11.1
-1	.9	11.1	.9	14	.0	13.0
-2	4.6	13.9	.0	20	.0	18.5
-3	.9	13.9	.0	16	.0	14.8
-4	1.9	10.2	.9	14	.0	13.0
-5	6.5	.9	.0	8	.0	7.4
-6	2.8	1.9	.0	5	.0	4.6
-7/-8	3.7	.9	.0	5	.0	4.6
-9/-10	.9	.0	.0	1	.0	.9
TOTAL	25	67	16	108	0	108
PCT	23.1	62.0	14.8	100.0		100.0

PERIOD: (OVER-ALL) 1968-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.9	.0	.0	.0	.0	.0	1.9
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.9	.0	.0	.0	.0	.0	1.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.5	.0	.0	.0	.0	.5
1-2	.0	1.9	.0	.0	.0	.0	1.9
3-4	.0	.0	4.3	.0	.0	.0	4.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	1.9	.0	1.9
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.4	4.3	.0	1.9	.0	8.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	3.4	.0	.0	.0	.0	3.4
1-2	.0	6.7	.0	.0	.0	.0	6.7
3-4	.0	10.6	6.3	1.4	.0	.0	18.3
5-6	.0	1.9	1.4	1.4	.0	.0	4.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	22.6	7.7	2.9	.0	.0	33.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.9	4.3	.0	.0	.0	.0	6.3
1-2	.0	13.0	7.7	.0	.0	.0	20.7
3-4	.0	4.8	6.7	.5	.0	.0	12.0
5-6	.0	.0	6.3	.5	.0	.0	6.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.9	22.1	20.7	1.0	.0	.0	45.7

PERIOD: (OVER-ALL) 1962-1977 JUNE AREA 0005 SOLOMON ISLANDS NE 9.1S 161.1E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	3.4	.0	.0	.0	.0	3.4
1-2	.0	3.4	.0	.0	.0	.0	3.4
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.7	.0	.0	.0	.0	6.7

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	1.9	.0	.0	.0	.0	1.9	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	1.9	.0	.0	.0	.0	1.9	98.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	7.5	11.3	.0	.0	.0	.0	18.9	
1-2	.0	28.4	7.5	.0	.0	.0	34.0	
3-4	.0	15.1	17.0	1.9	.0	.0	34.0	
5-6	.0	1.9	7.5	1.9	.0	.0	11.3	
7	.0	.0	.0	.0	1.9	.0	1.9	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	7.5	56.7	32.1	3.8	1.9	.0	100.0	53

PERIOD: (OVER-ALL) 1949-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	6.9	20.7	6.9	3.4	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25	4
6-7	.0	1.7	12.1	6.9	3.2	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	5
8-9	.0	.0	3.4	3.4	3.4	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	7
10-11	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	6.9	1.7	1.7	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	1
TOTAL	4	6	23	11	7	0	0	0	2	0	0	0	0	0	0	0	0	0	0	58	4
PCT	6.9	10.3	39.7	19.0	12.1	6.6	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1882-1977

AREA 0005 SOLOMON ISLANDS NE
8.9S 160.9E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	25.0	25.0	.0	.0	.0	.0	.0	50.0
NE	25.0	.0	.0	.0	.0	.0	.0	25.0	6.3	.0	.0	.0	.0	.0	.0	68.8
E	3.1	7.2	.0	.0	.0	.0	.0	10.3	7.2	4.1	.0	.0	.0	.0	.0	78.4
SE	6.4	3.2	2.6	.0	.0	.0	.0	12.2	1.3	12.8	.0	.0	.0	.0	.0	73.7
S	6.0	.0	.0	.0	.0	.0	.0	6.0	12.0	.0	.0	.0	.0	.0	.0	82.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	5.8	3.5	1.2	.0	.0	.0	.0	10.5	5.8	8.1	.0	.0	.0	.0	.0	75.6
TOT OBS:	86															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	11.1	5.6	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0	83.3
06609	7.7	2.6	2.6	.0	.0	.0	.0	12.8	5.1	5.1	.0	.0	.0	.0	.0	76.9
12615	14.3	.0	.0	.0	.0	.0	.0	14.3	14.3	14.3	.0	.0	.0	.0	.0	57.1
18621	7.4	3.7	.0	.0	.0	.0	.0	11.1	3.7	11.1	.0	.0	.0	.0	.0	74.1
TOT PCT	9.2	3.1	1.0	.0	.0	.0	.0	13.3	5.1	7.1	.0	.0	.0	.0	.0	74.5
TOT OBS:	98															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.7	2.9	.0	.0	.0	.0		4.7	3.6	4.5	.0	.0	9.5	.0	.0	8.3	.0
NE	1.2	3.9	.2	.0	.0	.0		5.4	5.3	3.4	.0	.0	7.8	2.3	.0	2.1	14.3
E	1.0	22.5	8.1	.0	.0	.0		31.6	9.2	39.8	.0	34.6	29.3	31.8	.0	22.9	30.4
SE	.0	22.1	16.7	4.2	.0	.0		42.9	12.6	44.3	.0	32.7	48.1	56.8	100.0	45.8	33.9
S	.0	6.1	5.4	.7	.0	.0		12.3	11.2	8.0	.0	25.0	6.9	9.1	.0	20.8	14.3
SW	.0	.5	.0	.0	.0	.0		.5	8.0	.0	.0	.0	.0	.0	.0	2.1	1.8
W	.0	.7	.0	.0	.0	.0		.7	10.0	.0	.0	.0	.0	.0	.0	.0	9.4
NW	.0	.0	1.0	.0	.0	.0		1.0	12.0	.0	.0	7.7	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.0							1.0	.0	.0	.0	.0	3.4	.0	.0	.0	.0
TOT OBS	5	60	32	8	0	0	102		10.4	22	0	13	29	11	1	12	14
TOT PCT	4.9	58.8	31.4	4.9	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	4.7	.0	.0	.0	.0		4.7	3.6	4.5	6.3	.0	3.8
NE	4.2	1.2	.0	.0	.0		5.4	5.3	3.4	3.4	2.1	8.7
E	9.3	20.8	1.5	.0	.0		31.6	9.2	39.8	31.0	29.2	26.9
SE	8.6	23.3	9.1	2.0	.0		42.9	12.6	44.3	39.9	60.4	38.5
S	3.4	6.6	2.2	.0	.0		12.3	11.2	8.0	12.5	8.3	17.3
SW	.2	.2	.0	.0	.0		.5	8.0	.0	.0	.0	1.9
W	.0	.7	.0	.0	.0		.7	10.0	.0	.0	.0	2.9
NW	.0	1.0	.0	.0	.0		1.0	12.0	.0	2.4	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.0						1.0	.0	.0	2.4	.0	.0
TOT OBS	32	55	13	2	0	102		10.4	22	42	12	26
TOT PCT	31.4	53.9	12.7	2.0	.0		100.0		100.0	100.0	100.0	100.0

JULY

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1882-1977

AREA 0005 SOLOMON ISLANDS NE
8.9S 160.9E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	63.6	31.8	4.5	.0	.0	10.3	100.0	22
06&09	2.4	7.1	54.8	31.0	4.8	.0	.0	10.4	100.0	42
12&15	.0	.0	41.7	50.0	8.3	.0	.0	14.3	100.0	12
18&21	.0	3.8	69.2	23.1	3.8	.0	.0	8.5	100.0	26
TOT	1	4	60	32	5	0	0	10.4		102
PCT	1.0	3.9	58.8	31.4	4.9	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	2.2	.0	2.2		6.0
NE	.0	1.1	.0	.5		5.3
E	2.2	10.9	14.1	7.6		5.8
SE	6.5	10.3	13.0	12.5		5.2
S	.0	3.8	7.1	3.3		5.8
SW	.0	.0	.5	.0		6.0
W	.0	.0	.0	.0		.0
NW	.0	.0	2.2	.0		6.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	4	13	17	12	46	5.4
TOT PCT	8.7	28.3	37.0	26.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	2.2	
NE	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	1.1	
E	.0	.0	.0	5.4	4.5	1.6	.0	.0	.0	.0	23.4	
SE	.0	.0	2.2	2.7	10.9	.5	.0	.0	.0	.0	26.1	
S	.0	.0	.0	.0	6.5	.0	.0	.0	.0	.0	7.6	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	1	5	10	1	0	0	0	0	29	46
TOT PCT	.0	.0	2.2	10.9	21.7	2.2	.0	.0	.0	.0	63.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) = OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3300	.0	.0	.0	.0	.0	.0	.0	.0
= OR >2000	2.0	3.9	3.9	3.9	3.9	3.9	3.9	3.9
= OR >1000	13.7	19.6	21.6	21.6	23.5	23.5	23.5	23.5
= OR >600	23.5	33.3	35.3	35.3	39.2	39.2	39.2	39.2
= OR >300	25.5	35.3	37.3	37.3	41.2	41.2	41.2	41.2
= OR >150	25.5	35.3	37.3	37.3	41.2	41.2	41.2	41.2
= OR > 0	25.5	35.3	37.3	37.3	41.2	41.2	41.2	41.2
TOTAL	13	18	19	19	21	21	21	21

TOTAL NUMBER OF OBS: 51 PCT FREQ NH <5/8: 58.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.5	12.3	10.5	17.5	17.5	1.8	10.5	8.8	17.5	.0	57

JULY

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1882-1977

AREA 0005 SOLOMON ISLANDS NE
6.9S 160.9E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	2.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	2.3	
1/2<1	PCP	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	1.2	
	NO PCP	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	1.2	
	TOT %	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	2.3	
1<2	PCP	.0	.0	.9	.3	.0	.0	.0	.0	.0	.0	1.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.9	.3	.0	.0	.0	.0	.0	.0	1.2	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	1.2	3.5	2.3	.0	.0	.0	.0	.0	.0	7.0	
	TOT %	.0	1.2	3.5	2.3	.0	.0	.0	.0	.0	.0	7.0	
5<10	PCP	.0	1.2	1.2	1.5	.9	.0	.0	.0	.0	.0	4.7	
	NO PCP	1.2	.0	3.5	11.9	4.7	.0	.0	.0	.0	.0	23.3	
	TOT %	1.2	1.2	4.7	13.4	5.5	.0	.0	.0	.0	.0	27.9	
10+	PCP	.0	.0	.9	.3	.0	.0	.0	.0	.0	.0	1.2	
	NO PCP	3.5	2.3	16.3	24.4	9.0	.6	.9	1.2	.0	.0	58.1	
	TOT %	3.5	2.3	17.2	24.7	9.0	.6	.9	1.2	.0	.0	59.3	
TOT OBS													86
TOT PCT		4.7	4.7	28.2	48.3	14.5	.6	.9	1.2	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	1.1	1.1	.0	.0	.0	.0	.0		3.2	
	11-21	.0	.0	.0	1.1	.0	.0	.0	.0	.0		1.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	1.1	2.4	.0	.0	.0	.0	.0	.0	4.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	1.1	.3	.0	.0	.0	.0	.0		2.1	
	11-21	.0	.0	.0	2.1	.0	.0	.0	.0	.0		2.1	
	22+	.0	.0	.0	1.1	.0	.0	.0	.0	.0		1.1	
	TOT %	.0	.0	1.1	3.4	.0	.0	.0	.0	.0	.0	5.3	
1<2	0-3	.3	.3	.0	.0	.0	.0	.0	.0	.0	1.1	2.1	
	4-10	.0	.0	2.4	.3	.0	.0	.0	.0	.0		3.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.3	.3	2.4	.3	.0	.0	.0	.0	.0	1.1	5.3	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	1.1	2.1	2.1	.0	.0	.0	.0	.0		5.3	
	11-21	.0	.0	1.1	.0	.0	.0	.0	.0	.0		1.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	1.1	3.2	2.1	.0	.0	.0	.0	.0	.0	6.3	
5<10	0-3	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	1.1	
	4-10	1.1	.0	2.9	3.4	2.1	.0	.0	.0	.0		9.5	
	11-21	.0	.0	3.2	7.4	2.1	.0	.0	.0	.0		12.6	
	22+	.0	.0	.0	1.3	.8	.0	.0	.0	.0		2.1	
	TOT %	1.1	1.1	6.1	12.1	5.0	.0	.0	.0	.0	.0	25.3	
10+	0-3	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	
	4-10	2.1	1.8	11.1	13.9	4.5	.5	.8	.0	.0		34.7	
	11-21	.0	.3	4.5	6.3	3.7	.0	.0	1.1	.0		15.8	
	22+	.0	.0	.0	2.1	.0	.0	.0	.0	.0		2.1	
	TOT %	3.2	2.1	15.5	22.4	8.2	.5	.8	1.1	.0	.0	53.7	
TOT OBS													98
TOT PCT		5.0	4.5	31.1	42.9	15.2	.5	.8	1.1	.0	1.1	100.0	

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1882-1977

AREA 0005 SOLOMON ISLANDS NE
8.9S 160.9E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	11.1	11.1	5.6	.0	.0	.0	.0	27.8	72.2	18
06&09	.0	.0	6.7	.0	33.3	6.7	.0	.0	.0	.0	46.7	53.3	15
12&15	.0	.0	.0	18.2	36.4	.0	.0	.0	.0	.0	54.5	45.5	11
18&21	.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0	25.0	75.0	12
TOT	0	0	1	7	11	2	0	0	0	0	21	35	56
PCT	.0	.0	1.8	12.5	19.6	3.6	.0	.0	.0	.0	37.5	62.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	33.3	66.7	18
06&09	8.3	8.3	8.3	10.4	29.2	35.4	48
12&15	.0	7.1	.0	7.1	7.1	78.6	14
18&21	.0	.0	3.7	.0	37.0	59.3	27
TOT	4	5	5	6	31	56	107
PCT	3.7	4.7	4.7	5.6	29.0	52.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	11.1	16.7	72.2	18
06&09	.0	13.3	13.3	33.3	53.3	15
12&15	.0	11.1	44.4	22.2	33.3	9
18&21	.0	.0	33.3	.0	66.7	9
TOT	0	3	11	10	30	51
PCT	.0	5.9	21.6	19.6	58.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	1.2	3.5	2.4	1.2	7	8.2
80/84	.0	.0	.0	.0	1.2	18.8	47.1	11.8	67	78.8
75/79	.0	.0	.0	.0	.0	.0	3.5	9.4	11	12.9
TOTAL	0	0	0	0	2	19	45	19	85	
PCT	.0	.0	.0	.0	2.4	22.4	52.9	22.4		100.0

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.9	.3	3.2	3.8	.0	.0	.0	.0	.0	.0
3.5	2.4	26.8	35.6	7.9	.6	.9	.0	.0	1.2
1.2	2.6	3.8	4.4	.9	.0	.0	.0	.0	.0
5.6	5.3	33.8	43.8	8.8	.6	.9	.0	.0	1.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	86	85	85	83	75	75	75	82.1	21
06&09	89	88	84	82	78	76	76	81.6	48
12&15	84	83	83	80	79	79	79	81.1	14
18&21	88	87	83	81	78	78	78	81.0	30
TOT	89	88	85	82	78	75	75	81.5	113

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	5.6	33.3	50.0	11.1	80	18
06&09	.0	.0	.0	17.6	50.0	32.4	86	34
12&15	.0	.0	.0	15.4	76.9	7.7	84	13
18&21	.0	.0	4.2	20.8	54.2	20.8	84	24
TOT	0	0	2	19	49	19	84	89

JULY

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1882-1977

TABLE 17

AREA 0005 SOLOMON ISLANDS NE
8.9S 160.9E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
9/10	.0	.0	.0	1.2	1	.0	1.2
5	.0	.0	1.2	.0	1	.0	1.2
4	.0	.0	1.2	.0	1	.0	1.2
2	.0	.0	4.7	1.2	5	.0	5.9
1	.0	2.4	1.2	.0	3	.0	3.5
0	.0	1.2	10.6	2.4	12	.0	14.1
-1	1.2	2.4	10.6	.0	12	.0	14.1
-2	.0	2.4	11.8	.0	12	.0	14.1
-3	.0	3.5	15.3	2.4	18	.0	21.2
-4	1.2	2.4	4.7	.0	7	.0	8.2
-5	.0	4.7	2.4	.0	6	.0	7.1
-6	.0	4.7	.0	.0	4	.0	4.7
-7/-8	.0	2.4	.0	.0	2	.0	2.4
-9/-10	1.2	.0	.0	.0	1	.0	1.2
TOTAL	3	22	54	6	85	0	85
PCT	3.5	25.9	63.5	7.1	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.2	.0	.0	.0	.0	2.2
3-4	.0	2.2	.0	.0	.0	.0	2.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.4	.0	.0	.0	.0	4.4

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.6	.0	.0	.0	.0	.6
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.6	.0	.0	.0	.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.6	.6	.0	.0	.0	1.1

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.2	.0	.0	.0	.0	2.2
1-2	.0	16.7	3.9	.0	.0	.0	20.6
3-4	.0	.0	2.2	.0	.0	.0	2.2
5-6	.0	.0	3.9	.0	.0	.0	3.9
7	.0	.0	1.7	.0	.0	.0	1.7
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	18.9	11.7	.0	.0	.0	30.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.2	.0	.0	.0	.0	2.2
1-2	.0	10.6	5.0	.0	.0	.0	15.6
3-4	.0	6.7	4.4	.0	.0	.0	11.1
5-6	.0	.0	2.2	.0	.0	.0	2.2
7	.0	2.8	5.0	2.8	.0	.0	10.0
8-9	.0	.0	1.1	8.2	.0	.0	9.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	21.7	17.8	9.0	.0	.0	44.4

PERIOD: (OVER-ALL) 1963-1977

JULY

TABLE 18 (CONT)

AREA 0005 SOLOMON ISLANDS NE
8.9S 160.9E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.2	2.2	.0	.0	.0	4.4
1-2	.0	3.3	.0	.0	.0	.0	3.3
3-4	.0	3.9	2.2	.0	.0	.0	6.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	1.7	.0	.0	1.7
8-9	.0	.0	3.3	.0	.0	.0	3.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	9.4	7.8	1.7	.0	.0	18.9

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.6	.0	.0	.0	.0	.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.6	.0	.0	.0	.0	.6

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.1	8.5	2.1	.0	.0	.0	12.8	
1-2	.0	31.9	8.5	.0	.0	.0	40.4	
3-4	.0	12.8	8.5	.0	.0	.0	21.3	
5-6	.0	.0	6.4	.0	.0	.0	6.4	
7	.0	2.1	6.4	4.3	.0	.0	12.8	
8-9	.0	.0	4.3	2.1	.0	.0	6.4	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.1	55.3	36.2	6.4	.0	.0	100.0	47

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.0	10.0	12.0	2.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	3
6-7	.0	2.0	4.0	8.0	6.0	2.0	2.0	2.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	7
8-9	.0	.0	6.0	4.0	4.0	.0	4.0	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	7
10-11	.0	.0	.0	.0	.0	2.0	8.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	10
12-13	.0	.0	.0	2.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
>13	.0	.0	.0	.0	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	8
INDET	2.0	2.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	2
TOTAL	2	7	11	9	6	5	6	1	3	0	0	0	0	0	0	0	0	0	0	50	6
PCT	4.0	14.0	22.0	18.0	12.0	10.0	12.0	2.0	6.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1879-1977

AREA 0005 SOLOMON ISLANDS NE
8.7S 160.8E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NE	40.0	.0	.0	.0	.0	.0	.0	40.0	.0	.0	.0	.0	.0		.0	60.0
E	1.8	3.6	.0	.0	.0	.0	.0	5.5	.0	3.6	.0	.0	.0		.0	90.9
SE	9.8	3.5	3.5	.0	.0	.0	.0	15.6	8.1	1.2	.0	.0	3.7		.0	71.5
S	5.2	.0	.0	.0	.0	.0	.0	5.2	.0	.0	.0	.0	3.9		.0	90.9
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	40.0	20.0	.0	.0	.0	.0	.0	60.0	.0	.0	.0	.0	.0		.0	40.0
TOT PCT	9.5	3.2	1.9	.0	.0	.0	.0	13.9	4.4	1.3	.0	.0	2.5		.0	77.8
TOT OBS:	158															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	3.4	6.9	3.4	.0	.0	.0	.0	13.8	6.9	.0	.0	.0	3.4		.0	75.9
06&09	14.0	2.0	2.0	.0	.0	.0	.0	16.0	.0	2.0	.0	.0	4.0		.0	78.0
12&15	5.9	5.9	5.9	.0	.0	.0	.0	17.6	23.5	.0	.0	.0	5.9		.0	52.9
18&21	10.8	1.5	.0	.0	.0	.0	.0	12.3	1.5	1.5	.0	.0	.0		.0	84.6
TOT PCT	9.9	3.1	1.9	.0	.0	.0	.0	14.3	4.3	1.2	.0	.0	2.5		.0	77.6
TOT OBS:	161															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.7	.8	.0	.0	.0	.0		1.5	3.0	.0	.0	2.6	.0	.0	25.0	3.4	1.6
NE	1.7	1.4	1.1	.0	.0	.0		4.2	7.2	.0	.0	4.3	4.2	5.9	.0	13.6	2.1
E	1.1	9.0	8.1	.4	.0	.0		18.6	10.2	9.2	.0	12.9	30.8	.0	.0	12.5	31.3
SE	3.9	20.4	28.2	2.9	.0	.0		55.0	12.0	83.3	100.0	61.2	39.2	75.0	.0	61.4	33.9
S	2.2	6.4	2.6	.4	.0	.0		11.7	8.0	7.3	.0	12.1	19.2	19.1	.0	9.4	11.5
SW	2.4	.7	.0	.0	.0	.0		3.1	2.8	.0	.0	.0	.0	.0	.0	.0	11.5
W	.4	.8	.0	.0	.0	.0		1.3	4.8	.0	.0	.0	.0	.0	25.0	.0	3.6
NW	.4	1.0	.0	.0	.0	.0		1.4	6.0	.0	.0	.0	.0	.0	50.0	9.7	.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.3							3.3	.0	.0	.0	6.9	6.7	.0	.0	.0	4.2
TOT OBS	29	73	72	6	0	0	180		10.0	30	2	29	30	17	2	22	48
TOT PCT	16.1	40.6	40.0	3.3	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.5	.0	.0	.0	.0		1.5	3.0	.0	1.3	2.6	2.1
NE	1.8	2.4	.0	.0	.0		4.2	7.2	.0	4.2	5.3	5.7
E	5.3	11.1	2.2	.0	.0		18.6	10.2	6.6	22.0	.0	25.4
SE	10.0	30.4	14.0	.6	.0		55.0	12.0	84.4	50.0	67.1	42.5
S	5.7	5.6	.4	.0	.0		11.7	8.0	7.0	15.7	17.1	8.9
SW	3.1	.0	.0	.0	.0		3.1	2.8	.0	.0	.0	7.9
W	1.0	.3	.0	.0	.0		1.3	4.8	.0	.0	2.6	2.5
NW	.6	.8	.0	.0	.0		1.4	6.0	.0	.0	5.3	2.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.3						3.3	.0	.0	6.8	.0	2.9
TOT OBS	58	91	30	1	0	180		10.0	32	59	19	70
TOT PCT	32.2	50.6	16.7	.6	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1875-1977

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	6.3	25.0	62.5	6.3	.0	.0	13.5	100.0	32
06&09	6.8	13.6	37.3	42.4	.0	.0	.0	8.9	100.0	59
12&15	.0	10.5	42.1	47.4	.0	.0	.0	10.2	100.0	19
18&21	2.9	15.7	50.0	25.7	5.7	.0	.0	9.3	100.0	70
TOT	6	23	73	72	6	0	0	10.0		180
PCT	3.3	12.8	40.6	40.0	3.3	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	1.8		8.0
NE	.0	1.2	.0	3.9		6.8
E	.0	1.2	6.0	1.2		6.3
SE	7.4	8.9	26.8	28.3		6.1
S	2.1	1.8	4.2	2.7		5.1
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	1.2	.0	.3		4.0
VAR	.0	.0	.0	.0		.0
CALM	.0	1.2	.0	.0		3.0
TOT OBS	8	13	31	32	84	6.0
TOT PCT	9.5	15.5	36.9	38.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	1.2	1.9	.0	.0	.0	.0	.0	2.4	
E	.0	.0	.0	3.5	.9	.0	.0	.0	.0	.0	4.2	
SE	.0	.0	4.8	8.9	18.8	1.2	2.4	.0	.0	1.2	34.2	
S	.0	.0	.0	.9	3.0	.0	.0	.0	.0	.0	6.8	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	1.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	
TOT OBS	0	0	4	12	22	1	2	0	0	1	42	84
TOT PCT	.0	.0	4.8	14.3	26.2	1.2	2.4	.0	.0	1.2	50.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >30YD	* OR >0
* OR >6500	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
* OR >5000	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
* OR >3500	2.4	4.7	4.7	4.7	4.7	4.7	4.7	4.7
* OR >2000	2.4	4.7	5.9	5.9	5.9	5.9	5.9	5.9
* OR >1000	21.2	28.2	31.8	31.8	31.8	31.8	31.8	31.8
* OR >600	28.2	40.0	44.7	44.7	45.9	45.9	45.9	45.9
* OR >300	29.4	41.2	48.2	48.2	49.4	49.4	49.4	50.6
* OR >150	29.4	41.2	48.2	48.2	49.4	49.4	49.4	50.6
* OR > 0	29.4	41.2	48.2	48.2	49.4	49.4	49.4	50.6
TOTAL	25	35	41	41	42	42	42	43

TOTAL NUMBER OF OBS: 85 PCT FREQ NH <5/8: 49.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.3	5.5	16.5	11.0	12.1	7.7	11.0	6.6	26.4	.0	91

AUGUST

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1875-1977

AREA 0005 SOLOMON ISLANDS NE
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	1.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	1.3	
1/2<1	PCP	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.6	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.6	
1<2	PCP	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.6	
	NO PCP	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.6	
	TOT %	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	1.3	
2<5	PCP	.0	.0	.6	1.3	.6	.0	.0	.0	.0	.0	2.5	
	NO PCP	.0	.2	2.2	2.7	.6	.6	.0	.0	.0	.0	6.3	
	TOT %	.0	.2	2.8	4.0	1.3	.6	.0	.0	.0	.0	8.9	
5<10	PCP	.0	.0	.3	3.5	.0	.0	.0	.0	.0	.6	4.4	
	NO PCP	.0	.0	4.9	14.9	3.6	.0	.0	.0	.0	.6	24.1	
	TOT %	.0	.0	5.2	18.4	3.6	.0	.0	.0	.0	1.3	28.5	
10+	PCP	.0	1.3	.0	1.9	.0	.0	.0	.0	.0	1.3	4.4	
	NO PCP	1.7	2.7	9.3	28.2	7.3	2.8	1.1	1.3	.0	.6	55.1	
	TOT %	1.7	4.0	9.3	30.1	7.3	2.8	1.1	1.3	.0	1.9	59.5	
	TOT OBS												158
	TOT PCT	1.7	4.7	17.4	54.9	12.2	3.5	1.1	1.3	.0	3.2	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.6	.0	.0	.0	.0	.0		.6	
	11-21	.0	.0	.0	.6	.0	.0	.0	.0	.0		.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	1.2	
1/2<1	0-3	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.6	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.6	.0	.0	.6	.0	.0	.0	.0		1.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.6	.0	.6	.6	.0	.0	.0	.0	.0	1.8	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	1.2	.0	.0	.0	.0	.0		1.2	
	11-21	.0	.0	.6	.6	.0	.0	.0	.0	.0		1.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.6	1.8	.0	.0	.0	.0	.0	.0	2.4	
2<5	0-3	.0	.0	.6	.0	.0	.6	.0	.0	.0	.0	1.2	
	4-10	.0	.2	1.1	.6	1.2	.0	.3	.3	.0		3.7	
	11-21	.0	.0	1.1	2.6	.0	.0	.0	.0	.0		3.7	
	22+	.0	.0	.0	.6	.0	.0	.0	.0	.0		.6	
	TOT %	.0	.2	2.7	3.8	1.2	.6	.3	.3	.0	.0	9.1	
5<10	0-3	.0	.0	.0	1.2	.6	.0	.0	.0	.0	1.2	3.0	
	4-10	.0	.0	2.4	7.6	1.5	.0	.0	.0	.0		11.6	
	11-21	.0	.0	2.1	8.5	.9	.0	.0	.0	.0		11.6	
	22+	.0	.0	.5	.3	.5	.0	.0	.0	.0		1.2	
	TOT %	.0	.0	5.0	17.7	3.5	.0	.0	.0	.0	1.2	27.4	
10+	0-3	.8	1.8	.6	1.8	1.8	2.0	.5	.5	.0	1.8	11.6	
	4-10	.9	1.4	3.5	9.5	3.8	.8	.6	.8	.0		23.2	
	11-21	.0	.6	3.2	16.8	1.4	.0	.0	.0	.0		22.0	
	22+	.0	.0	.0	1.2	.0	.0	.0	.0	.0		1.2	
	TOT %	1.7	3.8	9.3	29.3	7.0	2.7	1.1	1.2	.0	1.8	57.9	
	TOT OBS												164
	TOT PCT	1.7	4.6	17.7	54.4	12.3	3.4	1.4	1.5	.0	3.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1875-1977

AREA 0005 SOLOMON ISLANDS NE
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	14.8	25.9	3.7	3.7	.0	.0	.0	48.1	51.9	27
06&09	.0	.0	4.0	24.0	20.0	.0	8.0	.0	.0	.0	56.0	44.0	25
12&15	.0	.0	20.0	.0	13.3	.0	.0	.0	.0	6.7	40.0	60.0	15
18&21	.0	.0	.0	10.0	40.0	.0	.0	.0	.0	.0	50.0	50.0	20
TOT	0	0	4	12	22	1	3	0	0	1	43	44	87
PCT	.0	.0	4.6	13.8	25.3	1.1	3.4	.0	.0	1.1	49.4	50.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	10.3	17.2	72.4	29
06&09	1.9	5.6	3.7	11.1	42.6	35.2	54
12&15	5.6	.0	.0	11.1	22.2	61.1	18
18&21	.0	.0	4.5	6.1	21.2	68.2	66
TOT	2	3	5	15	46	96	167
PCT	1.2	1.8	3.0	9.0	27.5	57.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <500YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	22.2	25.9	51.9	27
06&09	.0	8.0	32.0	24.0	44.0	25
12&15	7.1	21.4	21.4	21.4	57.1	14
18&21	.0	.0	10.5	42.1	47.4	19
TOT	1	5	19	24	42	85
PCT	1.2	5.9	22.4	28.2	49.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.7	.7	.7	.0	3	2.1
85/89	.0	.0	.0	.0	2.1	4.9	2.1	2.8	17	11.8
80/84	.0	.0	.0	.0	2.8	21.5	27.8	17.4	100	69.4
75/79	.0	.0	.0	.0	.0	.7	3.5	11.1	22	15.3
70/74	.0	.0	.0	.0	.0	.0	.0	1.4	2	1.4
TOTAL	0	0	0	0	8	40	49	47	144	100.0
PCT	.0	.0	.0	.0	5.6	27.8	34.0	32.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	1.4	.7	.0	.0	.0	.0	.0
.0	.7	3.3	5.2	1.2	.7	.0	.0	.0	.7
1.0	2.3	12.2	39.1	9.5	2.4	1.2	.3	.0	1.4
.0	1.4	1.9	7.3	1.2	.7	.0	.7	.0	2.1
.0	.7	.0	.7	.0	.0	.0	.0	.0	.0
1.0	5.0	17.4	53.6	12.7	3.8	1.2	1.0	.0	4.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	90	89	89	82	75	74	74	82.1	33
06&09	90	89	86	82	77	73	73	82.1	59
12&15	84	83	83	82	75	75	75	80.9	19
18&21	93	92	86	81	77	75	75	81.6	70
TOT	93	90	87	82	76	74	73	81.8	181

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	12.5	45.8	20.8	20.8	80	24
06&09	.0	.0	8.5	29.8	34.0	27.7	83	47
12&15	.0	.0	.0	42.9	42.9	14.3	83	14
18&21	.0	.0	1.6	16.4	37.7	44.3	88	61
TOT	0	0	8	41	50	47	85	146

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PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1875-1977

TABLE 17

AREA 0005 SOLOMON ISLANDS NE
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PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
11/13	.0	.0	.0	.0	.0	.8	1	.0	.8
6	.0	.0	.0	.8	.8	.0	2	.0	1.5
5	.0	.0	.0	.0	1.5	.0	2	.0	1.5
4	.0	.0	.0	.8	.0	.0	1	.0	.8
3	.0	.0	1.5	2.3	.0	.0	5	.0	3.8
2	.0	1.5	1.5	.0	.0	.0	4	.0	3.1
1	.0	.0	4.6	3.8	.8	.0	12	.0	9.2
0	.0	.8	12.2	2.3	.0	.0	20	.0	15.3
-1	.0	.8	14.5	.8	.0	.0	21	.0	16.0
-2	.0	.8	13.0	.0	.0	.0	18	.0	13.7
-3	.0	8.4	6.1	.0	.0	.0	19	.0	14.5
-4	.0	4.6	1.5	.8	.0	.0	9	.0	6.9
-5	.8	2.3	.8	.0	.0	.0	5	.0	3.8
-6	.0	2.3	.8	.0	.0	.0	4	.0	3.1
-7/-8	2.3	1.5	.8	.0	.0	.0	6	.0	4.6
-9/-10	.8	.0	.0	.0	.0	.0	1	.0	.8
-11/-13	.8	.0	.0	.0	.0	.0	1	.0	.8
TOTAL	6	30	75	15	4	1	131	0	131
PCT	4.6	22.9	57.3	11.5	3.1	.8	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	1.1	.0	.0	.0	.0	.0	1.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	.0	.0	.0	.0	.0	1.1

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	1.4	1.4	1.4	.0	.0	.0	4.3
3-4	.0	1.4	.0	.0	.0	.0	1.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	1.4	.0	.0	.0	1.4
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	2.9	2.9	.0	.0	.0	7.1

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.5	.0	.0	.0	.0	2.5
3-4	.0	.0	4.3	.0	.0	.0	4.3
5-6	.0	.0	1.1	.0	.0	.0	1.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.5	5.4	.0	.0	.0	7.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.4	.7	.4	.0	.0	.0	2.5
1-2	.0	11.8	11.1	.0	.0	.0	22.9
3-4	.0	9.7	10.9	.4	.0	.0	25.0
5-6	.0	.0	8.9	.0	.0	.0	8.9
7	.0	.0	9.7	.0	.0	.0	9.7
8-9	.0	.0	2.9	1.4	.0	.0	4.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	18.2	47.9	1.8	.0	.0	69.3

PERIOD: (OVER-ALL) 1963-1977

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AREA 0005 SOLOMON ISLANDS NE
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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	3.6	1.1	.0	.0	.0	4.6
1-2	.0	.0	3.2	.0	.0	.0	3.2
3-4	.0	.0	1.1	1.1	.0	.0	2.1
5-6	.0	1.4	.0	.0	.0	.0	1.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.0	5.4	1.1	.0	.0	11.4

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.8	.0	.0	.0	.0	.0
TOT PCT	.0	.8	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.4	1.4	.0	.0	.0	.0	1.8	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.4	1.4	.0	.0	.0	.0	1.8	98.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.2	4.2	1.4	.0	.0	.0	9.9	
1-2	2.8	19.9	15.5	.0	.0	.0	33.2	
3-4	.0	7.0	23.9	1.4	.0	.0	32.4	
5-6	.0	1.4	9.9	.8	.0	.0	11.3	
7	.0	.0	5.6	.0	.0	.0	5.6	
8-9	.0	.0	4.2	1.4	.0	.0	5.6	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	7.0	29.6	60.6	2.8	.0	.0	100.0	71

PERIOD: (OVER-ALL) 1959-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	3.9	6.6	7.9	3.9	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	3
6-7	.0	1.3	11.8	11.8	6.6	3.9	5.3	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	4
8-9	.0	1.3	3.9	3.9	3.9	6.6	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	6
10-11	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	3
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
INDET	1.3	.0	1.3	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	4
TOTAL	1	5	20	19	13	10	5	1	2	0	0	0	0	0	0	0	0	0	0	76	4
PCT	1.3	6.6	26.3	25.0	17.1	13.2	6.6	1.3	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1857-1977

AREA 0005 SOLOMON ISLANDS NE
8.4S 160.4E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	18.0	8.0	8.0	.0	.0	.0	.0	34.0	.0	.0	.0	.0	.0	.0	.0	66.0
E	7.4	2.5	2.5	.0	.0	.0	.0	12.3	8.2	5.7	.0	.0	.0	.0	.0	73.8
SE	3.1	7.8	.3	.0	.0	.0	.0	11.2	.9	2.8	.0	.0	.0	.0	.0	85.1
S	5.4	.0	.0	.0	.0	.0	.0	5.4	4.1	.0	.0	.0	.0	.0	.0	90.5
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	28.6	.0	.0	.0	.0	28.6	.0	28.6	.0	.0	.0	.0	.0	42.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	5.1	5.1	1.9	.0	.0	.0	.0	12.0	2.9	3.2	.0	.0	.0	.0	.0	82.3
TOT OBS:	158															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
06&09	7.0	7.0	2.8	.0	.0	.0	.0	16.9	1.4	4.2	.0	.0	.0	.0	.0	77.5
12&15	5.6	5.6	.0	.0	.0	.0	.0	11.1	5.6	11.1	.0	.0	.0	.0	.0	72.2
18&21	3.5	3.5	1.8	.0	.0	.0	.0	8.8	3.5	.0	.0	.0	.0	.0	.0	87.7
TOT PCT	5.1	5.1	1.9	.0	.0	.0	.0	12.0	2.9	3.2	.0	.0	.0	.0	.0	82.3
TOT OBS:	158															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	1.4	.5	.0	.0	.0		1.9	7.6	.0	.0	3.0	4.1	.0	.0	.0	.0
NE	.3	6.1	.0	.3	.0	.0		6.9	7.3	.0	.0	13.0	6.0	.0	7.1	.0	10.0
E	.3	12.7	6.1	.3	.0	.0		19.3	9.1	26.9	.0	18.0	17.9	25.0	21.4	35.0	15.0
SE	7.0	26.2	17.3	2.0	.0	.0		52.6	9.8	61.5	.0	51.0	58.6	53.8	50.0	37.5	46.0
S	.5	6.5	3.5	.4	.0	.0		10.9	9.5	11.5	.0	7.0	9.2	21.2	7.1	27.5	15.0
SW	.0	1.6	.1	.0	.0	.0		1.8	6.0	.0	.0	.0	.4	.0	.0	.0	6.0
W	.5	1.5	.4	.0	.0	.0		2.4	7.5	.0	.0	.0	3.7	.0	.0	.0	4.0
NW	.3	1.9	.1	.0	.0	.0		2.6	5.8	.0	.0	.0	4.1	.0	.0	.0	4.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6							1.6	.0	.0	.0	8.0	.0	.0	14.3	.0	.0
TOT OBS	20	107	52	6	0	0	185		9.0	13	0	25	67	13	7	10	50
TOT PCT	10.8	57.8	28.1	3.2	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.9	.9	.0	.0	.0		1.9	7.6	.0	3.8	.0	.0
NE	4.2	2.2	.5	.0	.0		6.9	7.3	.0	7.9	2.5	8.3
E	6.8	11.4	1.2	.0	.0		19.3	9.1	26.9	17.9	23.8	18.3
SE	17.7	26.8	8.1	.0	.0		52.6	9.8	61.5	56.5	52.5	44.6
S	3.4	7.2	.4	.0	.0		10.9	9.5	11.5	5.7	16.3	17.1
SW	1.1	.7	.0	.0	.0		1.8	9.0	.0	.3	.0	5.0
W	1.5	.5	.4	.0	.0		2.4	7.5	.0	2.7	.0	3.3
NW	1.8	.7	.1	.0	.0		2.6	5.8	.0	3.0	.0	3.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.6						1.6	.0	.0	2.2	5.0	.0
TOT OBS	72	93	20	0	0	185		9.0	13	92	20	60
TOT PCT	38.9	50.3	10.8	.0	.0		100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1948-1977
(OVER-ALL) 1937-1977

AREA 0005 SOLOMON ISLANDS NE
8.4S 160.4E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	7.7	69.2	23.1	.0	.0	.0	8.6	100.0	13
06&09	2.2	10.9	34.3	27.2	5.4	.0	.0	9.1	100.0	92
12&15	5.0	.0	55.0	40.0	.0	.0	.0	10.2	100.0	20
18&21	.0	10.0	61.7	26.7	1.7	.0	.0	8.7	100.0	60
TOT	3	17	107	52	6	0	0	9.0		185
PCT	1.6	9.2	57.8	28.1	3.2	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	1.3	.0		5.0
NE	.0	.0	5.8	1.8		7.1
E	4.9	8.9	1.3	7.6		4.5
SE	11.6	12.9	17.4	8.5		4.9
S	1.3	4.9	6.3	1.8		4.9
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	1.8	1.8	.0		4.5
TOT OBS	10	16	19	11	56	5.0
TOT PCT	17.9	28.6	33.9	19.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	
NE	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	5.8	
E	.0	.0	.0	4.5	2.7	1.8	.0	.0	.0	.0	13.8	
SE	.0	.0	.0	8.0	.9	4.0	1.8	.0	.0	.0	35.7	
S	.0	.0	.0	1.8	.0	1.3	.0	.0	.0	.0	11.2	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.6	
TOT OBS	0	0	0	8	3	4	1	0	0	0	40	56
TOT PCT	.0	.0	.0	14.3	5.4	7.1	1.8	.0	.0	.0	71.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
* OR >2000	7.1	7.1	8.9	8.9	8.9	8.9	8.9	8.9
* OR >1000	8.9	12.5	14.3	14.3	14.3	14.3	14.3	14.3
* OR >600	8.9	25.0	28.6	28.6	28.6	28.6	28.6	28.6
* OR >300	8.9	25.0	28.6	28.6	28.6	28.6	28.6	28.6
* OR >150	8.9	25.0	28.6	28.6	28.6	28.6	28.6	28.6
* OR > 0	8.9	25.0	28.6	28.6	28.6	28.6	28.6	28.6
TOTAL	5	14	16	16	16	16	16	16

TOTAL NUMBER OF OBS: 56 PCT FREQ NH <5/8: 71.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.3	11.7	16.7	21.7	16.7	8.3	6.7	3.9	11.7	.0	60

SEPTEMBER

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1857-1977

AREA 0005 SOLOMON ISLANDS NE
8.4S 160.4E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.6	.0	1.3	.0	.0	.0	.0	.0	.0	1.9	
	NO PCP	.0	.0	.0	.6	.6	.0	.0	.0	.0	.0	1.3	
	TOT %	.0	.6	.0	1.9	.6	.0	.0	.0	.0	.0	3.2	
1<2	PCP	.0	.0	.9	.3	.0	.0	.0	.6	.0	.0	1.9	
	NO PCP	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.6	
	TOT %	.0	.0	.9	.9	.0	.0	.0	.6	.0	.0	2.5	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.6	.0	1.1	4.9	1.6	.0	.6	.0	.0	.0	8.9	
	TOT %	.6	.0	1.1	4.9	1.6	.0	.6	.0	.0	.0	8.9	
5<10	PCP	.0	.8	1.4	3.5	.6	.0	.0	.0	.0	.0	6.3	
	NO PCP	.0	2.4	8.2	15.8	3.8	2.1	.6	.6	.0	.0	33.5	
	TOT %	.0	3.2	9.7	19.3	4.4	2.1	.6	.6	.0	.0	39.9	
10+	PCP	.0	1.3	.0	.6	.0	.0	.0	.0	.0	.0	1.9	
	NO PCP	.9	2.8	7.6	23.3	9.1	.0	1.1	.9	.0	1.9	43.7	
	TOT %	.9	4.1	7.6	23.9	9.1	.0	1.1	.9	.0	1.9	45.6	
	TOT OBS												180
	TOT PCT	1.6	7.9	19.3	50.9	11.7	2.1	2.4	2.2	.0	1.9	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	1.7	.0	.0	.0	.0	.0		1.7	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	1.7	
1/2<1	0-3	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	2.2	
	4-10	.0	.7	.4	1.1	.0	.0	.0	.6	.0		2.8	
	11-21	.0	.0	.6	.6	.6	.0	.0	.0	.0		1.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.7	1.0	3.9	.6	.0	.0	.6	.0	.0	6.7	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	1.4	2.7	.4	.0	.0	.6	.0		5.1	
	11-21	.6	.0	.0	.6	.6	.0	.4	.1	.0		2.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.6	.0	1.4	3.2	1.0	.0	.4	.7	.0	.0	7.3	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.6	.0	.6	3.5	1.0	.0	.6	.0	.0		6.2	
	11-21	.0	.0	.4	1.3	.0	.0	.0	.0	.0		1.7	
	22+	.0	.0	.0	.1	.4	.0	.0	.0	.0		.6	
	TOT %	.6	.0	1.0	4.9	1.4	.0	.6	.0	.0	.0	8.4	
5<10	0-3	.0	.3	.3	2.8	.0	.0	.0	.6	.0	.0	3.9	
	4-10	.0	2.0	6.3	6.2	2.4	1.7	.6	.0	.0		19.1	
	11-21	.0	.0	1.7	6.7	1.3	.1	.0	.0	.0		10.1	
	22+	.0	.6	.3	1.4	.0	.0	.0	.0	.0		2.2	
	TOT %	.0	2.8	8.6	17.1	3.9	1.8	.6	.6	.0	.0	35.4	
10+	0-3	.0	.0	.0	2.2	.6	.0	.6	.0	.0	1.7	5.1	
	4-10	.8	3.7	4.5	12.1	2.9	.0	.4	.8	.0		25.3	
	11-21	.0	.0	2.2	6.9	1.0	.0	.0	.0	.0		10.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.8	3.7	6.7	21.2	4.8	.0	1.0	.8	.0	1.7	40.4	
	TOT OBS												178
	TOT PCT	2.0	7.2	18.7	52.1	11.4	1.8	2.8	2.7	.0	1.7	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1857-1977

AREA 0005 SOLOMON ISLANDS NE
8.4S 160.4E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	8.3	.0	.0	8.3	.0	.0	.0	16.7	83.3	12
06&09	.0	.0	.0	8.0	8.0	16.0	.0	.0	.0	.0	32.0	68.0	25
12&15	.0	.0	.0	22.2	11.1	.0	.0	.0	.0	.0	33.3	66.7	9
18&21	.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0	25.0	75.0	12
TOT	0	0	0	8	3	4	1	0	0	0	16	42	58
PCT	.0	.0	.0	13.8	5.2	6.9	1.7	.0	.0	.0	27.6	72.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	8.3	91.7	12
06&09	3.3	13.3	13.3	8.9	28.9	32.2	90
12&15	.0	.0	.0	.0	66.7	33.3	18
18&21	.0	.0	1.7	12.1	41.4	44.8	58
TOT	3	12	13	15	63	72	178
PCT	1.7	6.7	7.3	8.4	35.4	40.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	8.3	8.3	83.3	12
06&09	.0	.0	12.5	20.8	66.7	24
12&15	.0	.0	22.2	11.1	66.7	9
18&21	.0	.0	36.4	.0	63.6	11
TOT	0	0	10	7	39	56
PCT	.0	.0	17.9	12.5	69.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.0	.7	.0	.0	1	.7
85/89	.0	.0	.0	.0	.0	4.4	5.1	1.5	15	11.0
80/84	.0	.0	.0	.0	2.9	14.7	38.2	24.3	109	80.1
75/79	.0	.0	.0	.0	.0	.0	2.2	5.9	11	8.1
TOTAL	0	0	0	0	4	27	62	43	136	100.0
PCT	.0	.0	.0	.0	2.9	19.9	45.6	31.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.6	.2	.0	.0	.0	.0	.0	.0
1.5	.4	1.7	5.5	.6	.7	.0	.7	.0	.0
.6	3.0	13.2	43.4	11.2	1.7	1.8	1.8	.0	1.5
.6	.0	2.2	2.9	1.5	.0	.0	.9	.0	.0
2.6	3.3	17.6	52.0	13.2	2.4	1.8	3.5	.0	1.5

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	86	85	85	82	80	80	80	82.8	13
06&09	89	87	85	82	79	78	78	82.2	90
12&15	84	83	82	81	77	77	77	80.8	20
18&21	90	89	86	81	78	77	77	81.9	60
TOT	90	87	86	82	79	77	77	82.0	183

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&09	.0	.0	.0	36.4	54.5	9.1	81	11
06&09	.0	.0	4.3	15.9	42.0	37.7	86	69
12&18	.0	.0	.0	30.0	40.0	30.0	84	10
18&21	.0	.0	2.2	19.6	50.0	28.3	85	46
TOT	0	0	4	27	62	43	85	136

SEPTEMBER

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1857-1977

AREA 0003 SOLOMON ISLANDS NE
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
6	.0	.7	.0	.0	1	.0	.7
5	.0	.0	.0	.7	1	.0	.7
4	.0	.0	2.2	.7	4	.0	2.9
3	.0	2.2	.0	.0	3	.0	2.2
2	.0	4.3	.7	.0	7	.0	5.1
1	.0	3.6	2.9	.0	9	.0	6.5
0	.7	8.0	2.9	.0	16	.0	11.6
-1	.7	6.5	1.4	.0	12	.0	8.7
-2	2.9	16.7	.0	.0	27	.0	19.6
-3	2.2	10.1	.0	.0	17	.0	12.3
-4	5.8	10.1	.0	.0	22	.0	15.9
-5	5.1	2.9	.0	.0	11	.0	8.0
-6	2.2	.0	.0	.0	3	.0	2.2
-7/-8	2.2	.7	.0	.0	4	.0	2.9
-9/-10	.7	.0	.0	.0	1	.0	.7
TOTAL	31	91	14	2	138	0	138
PCT	22.5	65.9	10.1	1.4	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.6	.0	.0	.0	.0	1.6
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.6	.0	.0	.0	.0	1.6

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.6	.0	.0	.0	.0	2.6
1-2	.0	4.2	.0	.0	.0	.0	4.2
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	2.1	.0	.0	2.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.8	.0	2.1	.0	.0	8.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.1	.0	.0	.0	.0	2.1
1-2	.0	7.3	1.6	.0	.0	.0	8.9
3-4	.0	4.2	6.8	.0	.0	.0	10.9
5-6	.0	.0	1.6	.0	.0	.0	1.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	13.5	9.9	.0	.0	.0	23.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.1	4.2	.0	.0	.0	.0	6.3
1-2	.0	20.3	2.6	.0	.0	.0	22.9
3-4	.0	6.3	6.3	.5	.0	.0	13.1
5-6	.0	.0	2.6	.0	.0	.0	2.6
7	.0	.0	4.2	.0	.0	.0	4.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.1	30.7	17.7	.5	.0	.0	51.0

PERIOD: (OVER-ALL) 1963-1977 SEPTEMBER AREA 0005 SOLOMON ISLANDS NE

TABLE 18 (CONT) 8.4S 160.4E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.1	.0	.0	.0	.0	2.1
1-2	2.1	3.6	.0	.0	.0	.0	5.7
3-4	.0	.0	1.6	1.6	.0	.0	3.1
5-6	.0	.0	2.1	.0	.0	.0	2.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.1	5.7	3.6	1.6	.0	.0	13.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	97.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.1	12.5	.0	.0	.0	.0	14.6	
1-2	2.1	35.4	4.2	.0	.0	.0	41.7	
3-4	2.1	10.4	16.7	2.1	.0	.0	31.3	
5-6	.0	.0	6.3	2.1	.0	.0	8.3	
7	.0	.0	4.2	.0	.0	.0	4.2	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	6.3	58.3	31.3	4.2	.0	.0	100.0	48

PERIOD: (OVER-ALL) 1954-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.8	11.5	7.7	11.5	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	3
6-7	.0	3.8	9.6	15.4	5.8	1.9	3.8	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	6
8-9	.0	1.9	1.9	3.8	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	5
10-11	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
12-13	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	1.9	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3
TOTAL	3	9	10	20	6	1	2	0	1	0	0	0	0	0	0	0	0	0	0	52	4
PCT	5.8	17.3	19.2	38.5	11.5	1.9	3.8	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NE	11.6	8.8	.0	.0	.0	.0	.0	20.6	.0	.0	.0	.0	.0		.0	79.4
E	4.2	7.7	4.8	.0	.0	.0	.0	16.7	.0	.0	.0	.0	2.4		.0	81.0
SE	6.1	9.4	2.2	.0	.0	.0	.0	17.7	4.4	2.2	.0	.0	2.2		.0	73.3
S	13.0	23.9	.0	.0	.0	.0	.0	37.0	8.7	.0	.0	.0	.0		.0	54.3
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
W	.0	33.3	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0		.0	66.7
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	9.7	9.8	2.4	.0	.0	.0	.0	17.9	2.4	.8	.0	.0	1.6		.0	77.2
TOT OBS:	123															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	12.0	8.0	.0	.0	.0	.0	.0	20.0	8.0	.0	.0	.0	4.0		.0	68.0
06609	4.8	6.5	4.8	.0	.0	.0	1.6	17.7	1.6	4.8	.0	.0	.0		.0	77.4
12615	.0	16.7	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0		.0	83.3
18621	6.1	10.2	.0	.0	.0	.0	.0	16.3	.0	.0	.0	.0	2.0		.0	81.6
TOT PCT	6.1	8.8	2.0	.0	.0	.0	.7	17.6	2.0	2.0	.0	.0	1.4		.0	77.7
TOT OBS:	148															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	3.4	1.9	.7	.0	.0	.0		6.0	5.9	.0	.0	11.5	12.5	.0	.0	.0	3.2
NE	1.1	4.5	.9	.0	.0	.0		6.5	6.8	5.7	33.3	8.3	1.5	.0	.0	.0	12.9
E	5.4	16.0	11.9	.0	.0	.0		33.4	8.6	31.8	25.0	19.8	38.2	38.6	.0	37.5	38.7
SE	4.9	17.2	15.5	.2	.0	.0		37.7	10.2	40.6	16.7	39.6	35.3	45.5	.0	37.5	35.1
S	2.1	6.0	.7	.6	.0	.0		9.3	8.0	6.8	25.0	11.5	5.9	15.9	.0	25.0	9.6
SW	.0	.7	.0	.0	.0	.0		.7	9.0	.0	.0	4.2	.0	.0	.0	.0	.0
W	2.2	.0	.0	.0	.0	.0		2.2	2.3	.0	.0	.0	2.9	.0	100.0	.0	3.2
NW	1.9	.0	.7	.0	.0	.0		2.6	4.6	4.5	.0	5.2	3.7	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.5							1.5	.0	4.5	.0	.0	.0	.0	.0	.0	3.2
TOT OBS	30	62	41	1	0	0	134		8.6	22	3	24	34	11	1	8	31
TOT PCT	22.4	46.3	30.6	.7	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.4	2.6	.0	.0	.0		6.0	5.9	.0	12.1	.0	2.6
NE	3.4	3.2	.0	.0	.0		6.5	6.8	9.0	4.5	.0	10.3
E	13.1	18.5	1.9	.0	.0		33.4	8.8	31.0	30.6	35.4	36.5
SE	11.6	20.3	5.8	.0	.0		37.7	10.2	43.0	37.1	41.7	34.0
S	4.1	3.9	1.3	.0	.0		9.3	8.0	9.0	8.2	14.6	9.6
SW	.0	.7	.0	.0	.0		.7	9.0	.0	1.7	.0	.0
W	2.2	.0	.0	.0	.0		2.2	2.3	.0	1.7	8.3	2.6
NW	1.9	.7	.0	.0	.0		2.6	4.6	4.0	4.3	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.3						1.5	.0	4.0	.0	.0	2.6
TOT OBS	88	67	12	0	0	134		8.6	25	58	12	39
TOT PCT	41.0	50.0	9.0	.0	.0		100.0		100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	4.0	8.0	36.0	48.0	4.0	.0	.0	10.9	100.0	25
06&09	.0	24.1	48.3	27.6	.0	.0	.0	7.9	100.0	58
12&15	.0	16.7	50.0	33.3	.0	.0	.0	10.0	100.0	12
18&21	2.6	25.6	48.7	23.1	.0	.0	.0	7.7	100.0	39
TOT	2	28	62	41	1	0	0	8.6		134
PCT	1.5	20.9	46.3	30.6	.7	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	2.9	1.7		6.8
NE	.0	.0	3.8	1.7		7.0
E	1.3	5.8	12.5	8.3		5.9
SE	3.8	10.8	12.5	14.6		5.7
S	1.7	1.7	2.9	5.4		6.1
SW	.0	.0	1.7	.0		5.0
W	.0	.0	.0	1.7		8.0
NW	1.7	1.7	.4	.0		2.7
VAR	.0	.0	.0	.0		.0
CALM	.0	1.7	.0	.0		4.0
TOT OBS	5	13	22	20	60	5.8
TOT PCT	8.3	21.7	36.7	33.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	2.9	
NE	.0	.0	.0	1.7	.4	.0	.0	.0	.0	.0	3.3	
E	.0	.0	4.6	1.7	4.2	2.9	.0	.0	.0	.0	14.6	
SE	1.7	.0	.8	3.8	9.6	3.8	.0	.0	.0	.0	22.1	
S	.0	.0	1.3	1.3	5.8	.0	.0	.0	.0	.0	9.3	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	
W	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	
TOT OBS	1	0	4	3	12	4	0	0	0	0	32	60
TOT PCT	1.7	.0	10.0	8.3	20.0	6.7	.0	.0	.0	.0	53.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	1.6	1.6	1.6	1.6	1.6	1.6
* OR >3500	.0	.0	1.6	1.6	1.6	1.6	1.6	1.6
* OR >2000	4.9	6.6	8.2	8.2	8.2	8.2	8.2	8.2
* OR >1000	14.8	23.0	27.9	27.9	27.9	27.9	27.9	27.9
* OR >600	16.4	29.5	34.4	34.4	34.4	34.4	34.4	36.1
* OR >300	18.0	34.4	42.6	42.6	42.6	42.6	44.3	45.9
* OR >150	18.0	34.4	42.6	42.6	42.6	42.6	44.3	45.9
* OR > 0	18.0	34.4	42.6	44.3	44.3	44.3	45.9	47.5
TOTAL	11	21	26	27	27	27	28	29

TOTAL NUMBER OF OBS: 61 PCT FREQ NH <5/8: 52.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.0	10.8	7.7	18.5	18.5	4.6	7.7	16.9	15.4	.0	65

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.8	.0	.0	.0	.0	.8	.0	.0	.0	1.6	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.8	.0	.0	.0	.0	.8	.0	.0	.0	1.6	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.8	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.8	
2<5	PCP	.0	.2	1.4	1.0	.6	.0	.0	.0	.0	.0	3.3	
	NO PCP	.8	.0	3.7	1.2	.8	.0	.0	.8	.0	.0	7.3	
	TOT %	.8	.2	5.1	2.2	1.4	.0	.0	.8	.0	.0	10.6	
5<10	PCP	.0	.4	2.8	3.5	1.4	.0	.0	.0	.0	.0	8.1	
	NO PCP	.0	.0	8.3	10.6	2.2	.0	.8	.0	.0	.0	22.0	
	TOT %	.0	.4	11.2	14.0	3.7	.0	.8	.0	.0	.0	30.1	
10+	PCP	.0	.0	1.4	1.2	1.4	.0	.0	.0	.0	.0	4.1	
	NO PCP	4.3	5.5	16.5	18.5	2.8	.8	.8	2.0	.0	1.6	52.8	
	TOT %	4.3	5.5	17.9	19.7	4.3	.8	.8	2.0	.0	1.6	56.9	
	TOT OBS												123
	TOT PCT	5.1	6.9	34.1	36.8	9.3	.8	2.4	2.8	.0	1.6	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.8	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.8	.0	.0	.0	.0	.0	.0	.0		.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.8	.0	.0	.0	.0	.8	.0	.0	.0	1.5	
1/2<1	0-3	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.8	
	4-10	.6	.2	.0	.8	.0	.0	.0	.0	.0		1.5	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.6	.2	.0	1.5	.0	.0	.0	.0	.0	.0	2.3	
1<2	0-3	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.8	
	4-10	.8	.0	.8	.8	.0	.0	.0	.0	.0		2.3	
	11-21	.0	.0	.0	.8	.0	.0	.0	.0	.0		.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.8	.0	.8	2.3	.0	.0	.0	.0	.0	.0	3.8	
2<5	0-3	.8	.0	.0	.0	.8	.0	.0	.8	.0	.0	2.3	
	4-10	.0	.0	2.9	1.0	.0	.0	.0	.0	.0		3.8	
	11-21	.0	.2	1.9	1.0	.0	.0	.0	.0	.0		3.1	
	22+	.0	.0	.0	.2	.6	.0	.0	.0	.0		.8	
	TOT %	.8	.2	4.8	2.1	1.3	.0	.0	.8	.0	.0	9.9	
5<10	0-3	.0	.0	2.3	2.3	.8	.0	.8	.0	.0	.0	6.1	
	4-10	.0	.4	3.1	4.6	2.7	.0	.0	.0	.0		10.7	
	11-21	.0	.0	5.2	6.3	.0	.0	.0	.0	.0		11.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.4	10.5	13.2	3.4	.0	.8	.0	.0	.0	28.2	
10+	0-3	2.7	1.1	3.2	1.1	.6	.0	.8	1.1	.0	1.5	12.2	
	4-10	.6	4.0	9.7	10.3	3.4	.8	.0	.0	.0		29.0	
	11-21	.8	.0	3.8	6.9	.8	.0	.0	.8	.0		13.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	4.0	5.2	16.8	18.5	4.8	.8	.8	1.9	.0	1.5	54.2	
	TOT OBS												131
	TOT PCT	6.1	6.7	32.8	37.6	9.9	.8	2.3	2.7	.0	1.5	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	4.3	17.4	8.7	17.4	.0	.0	.0	.0	47.8	52.2	23
06&09	4.0	.0	12.0	4.0	28.0	.0	.0	4.0	.0	.0	52.0	48.0	25
12&15	.0	.0	18.2	.0	18.2	.0	.0	.0	.0	.0	36.4	63.6	11
18&21	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	16.7	83.3	6
TOT	1	0	6	5	12	4	0	1	0	0	29	36	65
PCT	1.5	.0	9.2	7.7	18.5	6.2	.0	1.5	.0	.0	44.6	55.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	4.0	.0	.0	16.0	16.0	64.0	25
06&09	.0	4.3	7.1	11.4	41.4	35.7	70
12&15	8.3	.0	.0	8.3	25.0	58.3	12
18&21	.0	.0	.0	2.0	46.9	51.0	49
TOT	2	3	5	14	59	73	156
PCT	1.3	1.9	3.2	9.0	37.8	46.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	4.5	9.1	31.8	22.7	45.5	22
06&09	4.2	16.7	29.2	29.2	41.7	24
12&15	.0	22.2	33.3	11.1	55.6	9
18&21	.0	.0	.0	16.7	83.3	6
TOT	2	8	17	14	30	61
PCT	3.3	13.1	27.9	23.0	49.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	1.0	1.0	.0	.0	2	2.0
85/89	.0	.0	.0	.0	1.0	5.9	3.9	2.0	13	12.7
80/84	.0	.0	.0	.0	3.9	19.6	34.3	11.8	71	69.6
75/79	.0	.0	.0	.0	1.0	1.0	7.8	5.9	16	15.7
TOTAL	0	0	0	0	7	28	47	20	102	100.0
PCT	.0	.0	.0	.0	6.9	27.5	46.1	19.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.7	1.2	.0	.0	.0	.0	.0	.0
2.7	1.2	3.2	3.7	1.0	.0	.0	.0	.0	1.0
2.5	3.4	25.7	29.7	4.2	1.0	1.0	1.2	.0	1.0
1.0	1.2	5.4	5.6	1.5	.0	1.0	.0	.0	.0
6.1	5.9	35.0	40.2	6.6	1.0	2.0	1.2	.0	2.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	87	86	86	82	77	77	77	81.8	25
06&09	93	92	90	82	79	68	68	82.8	66
12&15	84	83	83	82	78	78	78	81.5	13
18&21	89	88	87	82	78	75	75	82.3	51
TOT	93	92	88	82	78	75	68	82.3	155

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	13.0	26.1	43.5	17.4	82	23
06&09	.0	.0	7.0	27.9	46.5	18.6	83	43
12&15	.0	.0	.0	27.3	63.6	9.1	83	11
18&21	.0	.0	3.8	26.9	42.3	26.9	83	26
TOT	0	0	7	28	48	20	83	103

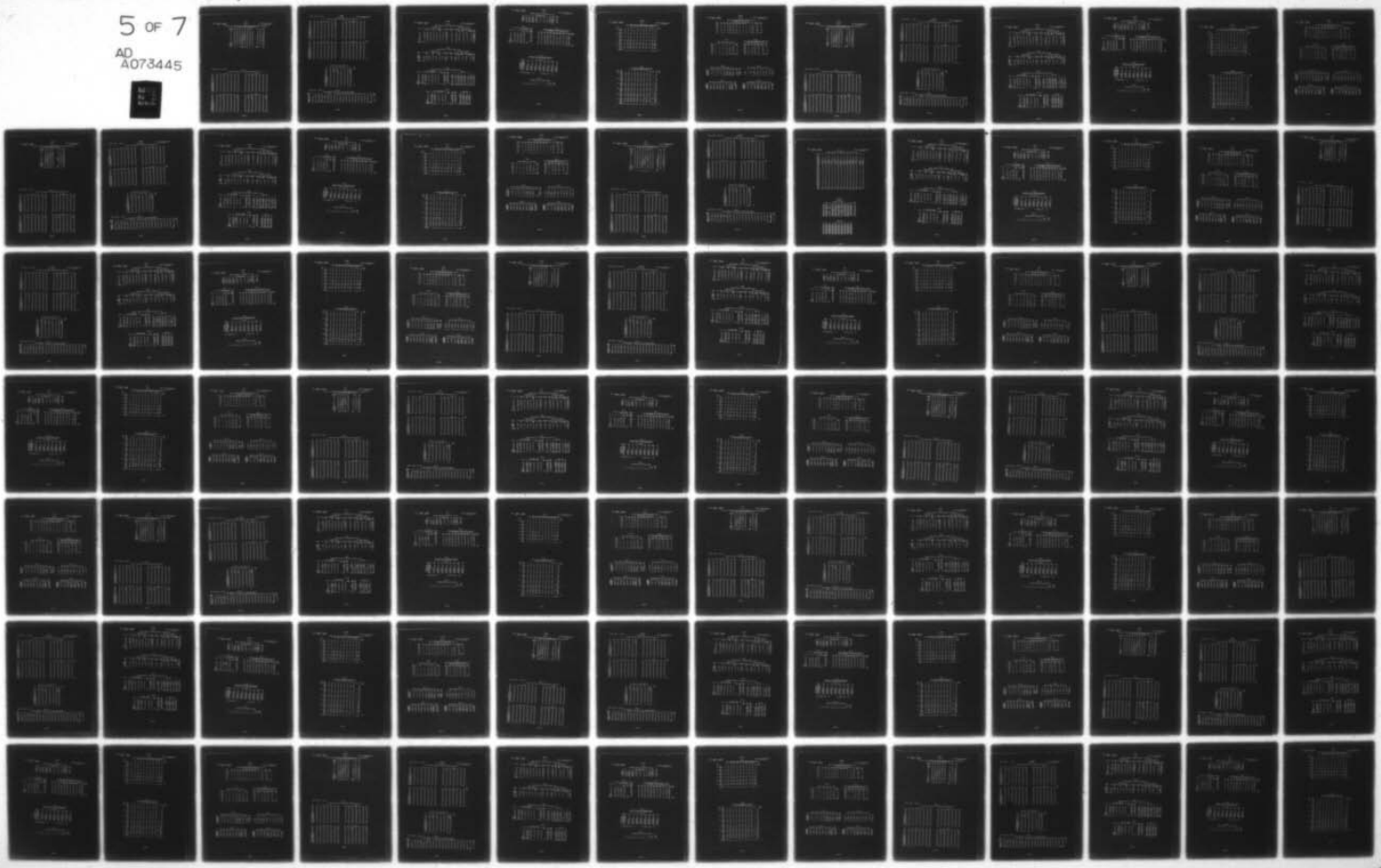
AD-A073 445 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C F/G 4/2

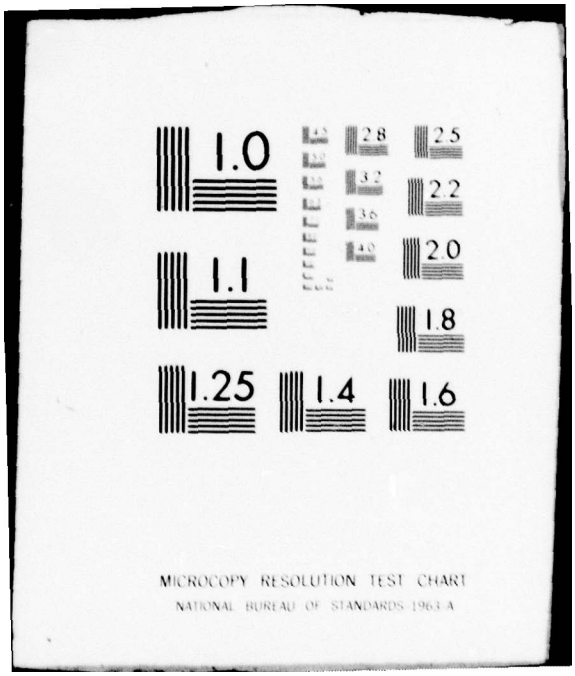
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1.0
1.1
1.25
1.4
1.6
2.8
3.2
3.6
4.0
2.5
2.2
2.0
1.8
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

OCTOBER

PERIOD: (PRIMARY) 1910-1977
(OVER-ALL) 1882-1977

AREA 0005 SOLOMON ISLANDS NE
8.6S 160.4E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
7/8	.0	.0	.0	.7	.7	.0	.7	.7	4	.0	3.0
6	.0	.0	.0	.0	.7	.7	1.5	.0	4	.0	3.0
5	.0	.0	.0	.0	.0	.7	.0	.0	1	.0	.7
4	.0	.0	.0	.0	.0	.7	.7	.0	2	.0	1.5
3	.0	.0	.0	.0	1.5	3.7	.7	.0	8	.0	6.0
2	.0	.0	.0	.0	1.5	3.7	.0	.0	7	.0	5.2
1	.0	.0	.0	.0	9.0	.0	.0	.0	12	.0	9.0
0	.0	.0	.0	1.5	11.2	1.5	.0	.0	19	.0	14.2
-1	.0	.0	.0	4.5	13.4	.0	.0	.0	24	.0	17.9
-2	.0	.0	.0	.0	8.2	.0	.0	.0	11	.0	8.2
-3	.0	.0	.0	2.2	4.5	.0	.0	.0	9	.0	6.7
-4	.0	.0	.0	6.0	3.0	1.5	.0	.0	14	.0	10.4
-5	.0	.0	.0	3.7	.7	.7	.0	.0	7	.0	5.2
-6	.0	.0	.0	2.2	1.5	.0	.0	.0	5	.0	3.7
-7/-8	.0	.0	.0	1.5	.7	.0	.0	.0	3	.0	2.2
-9/-10	.0	.0	.7	.7	.7	.0	.0	.0	3	.0	2.2
-14/-16	.7	.0	.0	.0	.0	.0	.0	.0	1	.0	.7
TOTAL	1		1		77		5			0	134
		0		31		18		1	134		
PCT	.7	.0	.7	23.1	57.5	13.4	3.7	.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	1.9	.0	.0	.0	1.9
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	1.9	.0	.0	.0	1.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.9	2.4	.0	.0	.0	4.3
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.9	2.4	.0	.0	.0	4.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	3.8	1.4	.0	.0	.0	5.3
1-2	.0	4.8	6.7	.0	.0	.0	11.5
3-4	.0	3.8	7.2	.0	.0	.0	11.1
5-6	.0	.0	1.4	.0	.0	.0	1.4
7	.0	.0	1.4	.0	.0	.0	1.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	1.9	.0	.0	.0	1.9
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	12.5	20.2	.0	.0	.0	32.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.5	.0	.0	.0	.5
1-2	.0	10.6	6.3	.0	.0	.0	16.8
3-4	.0	5.3	10.1	.0	.0	.0	15.4
5-6	.0	.0	6.3	.0	.0	.0	6.3
7	.0	.0	4.3	.0	.0	.0	4.3
8-9	.0	.0	.0	.5	.0	.0	.5
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	15.9	27.4	.5	.0	.0	43.8

PERIOD: (OVER-ALL) 1963-1977 OCTOBER AREA 0009 SOLOMON ISLANDS NE
8.6S 160.4E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.8	1.9	.0	.0	.0	5.8
3-4	.0	6.3	.0	.0	.0	.0	6.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	1.4	.0	.0	1.4
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.1	1.9	1.4	.0	.0	13.5

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.9	.0	.0	.0	.0	1.9
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.9	.0	.0	.0	.0	1.9

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

HGT	TOTAL PCT
<1	.0
1-2	.0
3-4	.0
5-6	.0
7	.0
8-9	.0
10-11	.0
12	.0
13-16	.0
17-19	.0
20-22	.0
23-25	.0
26-32	.0
33-40	.0
41-48	.0
49-60	.0
61-70	.0
71-86	.0
87+	.0
TOT PCT	98.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.9	3.8	1.9	.0	.0	.0	7.7	
1-2	.0	23.1	19.2	.0	.0	.0	42.3	
3-4	.0	15.4	17.3	.0	.0	.0	32.7	
5-6	.0	.0	7.7	.0	.0	.0	7.7	
7	.0	.0	5.8	.0	.0	.0	5.8	
8-9	.0	.0	.0	1.9	.0	.0	1.9	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	1.9	.0	.0	.0	1.9	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.9	42.3	53.8	1.9	.0	.0	100.0	52

PERIOD: (OVER-ALL) 1953-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) Vs WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	14.3	17.9	7.1	.0	1.8	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	4
6-7	.0	9.4	1.8	8.9	3.4	7.1	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	6
8-9	.0	.0	1.8	1.8	8.9	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	6
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	9
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	18
INDET	1.8	.0	1.8	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	9
TOTAL	1	11	15	12	7	6	2	1	0	1	0	0	0	0	0	0	0	0	0	56	9
PCT	1.8	19.6	26.8	21.4	12.5	10.7	3.6	1.8	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1962-1977
(OVER-ALL) 1882-1977

AREA 0005 SOLOMON ISLANDS NE
8.3S 160.2E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	11.3	8.5	4.2	.0	.0	.0	.0	23.9	.0	.0	.0	.0	4.2		.0	71.8
NE	.0	1.1	9.8	.0	.0	.0	.0	10.9	.0	4.3	.0	.0	5.4		.0	79.3
E	6.6	4.4	.0	.0	.0	.0	.0	11.0	.0	6.1	.0	.0	4.4		.0	78.5
SE	2.0	4.1	.0	.0	.0	.0	.0	6.1	.0	.8	.0	.0	4.1		.0	89.1
S	6.3	14.3	.0	.0	.0	.0	.0	20.5	7.1	7.1	.0	.0	.0		.0	68.8
SW	11.9	19.0	.0	.0	.0	.0	.0	31.0	.0	.0	.0	.0	.0		.0	69.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NW	.0	10.6	8.5	.0	.0	.0	.0	19.1	.0	.0	.0	.0	.0		.0	80.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	7.1	.0	7.1		.0	78.6
TOT PCT	4.4	6.3	1.9	.0	.0	.0	.0	12.6	1.0	3.4	.5	.0	3.4		.0	79.6
TOT OBS:	206															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	3.8	.0	.0	.0	3.8		.0	92.3
06&09	4.4	5.6	1.9	.0	.0	.0	.0	12.0	.0	3.7	.0	.0	4.6		.0	79.6
12&15	.0	9.5	4.8	.0	.0	.0	.0	14.3	.0	23.8	.0	.0	.0		.0	61.9
18&21	6.5	6.5	2.6	.0	.0	.0	.0	15.6	1.3	3.9	1.3	.0	1.3		.0	79.2
TOT PCT	4.3	5.6	2.2	.0	.0	.0	.0	12.1	.9	5.2	.4	.0	3.0		.0	79.3
TOT OBS:	292															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.1	6.9	.9	.0	.0	.0		8.9	6.5	14.6	.0	31.7	3.1	.0	.0	14.3	5.3
NE	1.6	8.7	.6	.0	.0	.0		10.9	6.5	10.4	100.0	16.3	16.2	6.6	.0	2.6	6.0
E	5.8	12.6	3.2	.3	.0	.0		21.8	7.2	19.8	.0	2.9	20.7	23.7	100.0	27.6	30.3
SE	4.8	13.1	6.7	.1	.0	.0		24.7	7.9	17.7	.0	25.0	29.6	18.4	.0	28.9	21.3
S	2.0	8.3	2.7	.0	.0	.0		13.0	7.2	8.3	.0	6.7	10.2	14.5	.0	10.5	24.0
SW	.1	4.2	.1	.0	.5	.0		4.9	9.2	.0	.0	3.8	3.2	5.3	.0	1.3	6.3
W	.9	2.0	.3	.0	.0	.0		3.3	6.5	4.2	.0	.0	4.3	5.3	.0	9.2	.0
NW	2.3	2.6	.9	.0	.0	.0		5.8	5.5	8.3	.0	5.8	9.0	5.3	.0	.0	2.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	6.8							6.8	.0	16.7	.0	7.7	3.7	21.1	.0	5.3	2.0
TOT OBS	56	129	34	1	1	0	221		6.7	24	1	26	81	19	1	19	50
TOT PCT	25.3	58.4	15.4	.5	.5	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	5.2	3.7	.0	.0	.0		8.9	6.5	14.0	10.0	.0	8.0
NE	6.3	4.5	.0	.0	.0		10.9	6.5	14.0	14.7	6.3	3.1
E	11.3	9.4	1.1	.0	.0		21.8	7.2	19.0	16.4	27.5	29.7
SE	11.5	12.4	.7	.0	.0		24.7	7.9	17.0	28.3	17.5	23.6
S	6.1	6.9	.0	.0	.0		13.0	7.2	8.0	9.3	13.8	20.3
SW	2.8	1.6	.0	.5	.0		4.9	9.2	.0	4.9	5.0	6.5
W	1.7	1.6	.0	.0	.0		3.3	6.5	4.0	3.3	5.0	2.5
NW	4.3	1.5	.0	.0	.0		5.8	5.5	8.0	8.2	5.0	1.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	6.8						6.8	.0	16.0	4.7	20.0	2.9
TOT OBS	126	92	4	1	0	221		6.7	25	107	20	69
TOT PCT	56.1	41.6	1.8	.5	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1962-1977
(OVER-ALL) 1962-1977

TABLE 4

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PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	16.0	16.0	52.0	16.0	.0	.0	.0	6.5	100.0	25
06&09	4.7	19.6	62.6	13.1	.0	.0	.0	6.2	100.0	107
12&15	20.0	5.0	55.0	20.0	.0	.0	.0	7.1	100.0	20
18&21	2.9	21.7	55.1	17.4	1.4	1.4	.0	7.6	100.0	69
TOT	15	41	129	34	1	1	0	6.7		221
PCT	6.8	18.6	58.4	15.4	.5	.5	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	1.3	6.5	8.4		6.7
NE	1.6	1.3	7.5	1.6		5.3
E	4.2	2.3	8.4	2.6		4.7
SE	5.8	2.9	9.7	5.8		5.0
S	1.3	1.3	.0	7.1		6.5
SW	.0	.0	1.3	.0		7.0
W	1.3	.0	1.3	.0		4.0
NW	.0	.0	2.9	1.6		6.3
VAR	.0	.0	.0	.0		.0
CALM	1.3	2.6	7.8	.0		6.8
TOT OBS	12	9	39	21	77	5.4
TOT PCT	13.6	11.7	49.3	27.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 2499	2500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	1.0	.0	1.0	3.6	3.8	.0	.0	.0	.0	4.9	
NE	.0	.8	.0	2.6	.0	.6	.0	.0	.0	.0	8.4	
E	.0	.0	.0	3.6	1.2	.0	.0	.0	.0	.0	12.7	
SE	.0	.0	.0	1.6	3.9	.0	1.3	.0	.0	.0	17.5	
S	1.3	.0	.0	2.6	.0	.0	.0	.0	.0	.0	3.8	
SW	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	
W	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	
NW	.0	.0	.0	1.6	.8	.0	.0	.0	.0	.0	2.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	9.1	
TOT OBS	1	1	0	13	7	5	1	0	0	0	49	77
TOT PCT	1.3	1.3	.0	16.9	9.1	6.5	1.3	.0	.0	.0	63.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >3OYD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
* OR >2000	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
* OR >1000	14.6	15.9	17.1	17.1	17.1	17.1	17.1	17.1
* OR >600	22.0	28.0	30.3	31.7	31.7	31.7	32.9	32.9
* OR >300	22.0	28.0	30.5	31.7	31.7	31.7	32.9	32.9
* OR >150	22.0	28.0	31.7	32.9	32.9	32.9	34.1	34.1
* OR > 0	22.0	28.0	31.7	32.9	32.9	34.1	35.4	35.4
TOTAL	18	23	26	27	27	28	29	29

TOTAL NUMBER OF OBS: 82 PCT FREQ NH <5/8: 64.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
4.5	12.5	14.8	18.2	14.8	6.8	9.1	5.7	13.6	.0	88

NOVEMBER

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1882-1977

AREA 0005 SOLOMON ISLANDS NE
8.3S 160.2E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.5	
	NO PCP	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	
	TOT %	.0	.0	.9	.0	.5	.0	.0	.0	.0	.0	1.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.5	.5	.0	.5	.4	.1	.0	.0	.0	.0	1.9	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.5	.5	.0	.5	.4	.1	.0	.0	.0	.0	1.9	
2<5	PCP	.7	.2	1.0	.0	.0	.5	.0	.0	.0	.0	2.4	
	NO PCP	.0	1.9	1.8	1.1	.5	.0	.5	.0	.0	1.5	7.3	
	TOT %	.7	2.2	2.8	1.1	.5	.5	.5	.0	.0	1.5	9.7	
5<10	PCP	.4	.5	.5	.5	1.9	1.0	.0	.4	.0	.0	5.3	
	NO PCP	.4	2.8	5.3	8.9	5.9	2.5	1.5	1.5	.0	1.9	30.6	
	TOT %	.7	3.3	5.8	9.3	7.9	3.5	1.5	2.1	.0	1.9	35.9	
10+	PCP	.5	.0	1.0	.5	.0	.0	.0	.5	.0	.0	2.4	
	NO PCP	6.2	9.2	11.9	12.5	4.4	1.0	1.5	3.2	.0	3.4	49.0	
	TOT %	6.7	9.2	12.9	13.0	4.4	1.0	1.5	3.6	.0	3.4	51.5	
	TOT OBS												206
	TOT PCT	8.6	11.2	22.0	23.9	13.6	5.1	3.2	5.7	.0	6.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.5	.0	.0	.0	.0	.5	.0	.0	.9	
	4-10	.0	.0	.5	.0	.0	.0	.0	.0	.0		.5	
	11-21	.0	.0	.0	.0	.5	.0	.0	.0	.0		.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.9	.0	.5	.0	.0	.5	.0	.0	1.9	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.6	.7	.1	.0	.0	.0	.0	1.4	
	4-10	.0	.5	.5	1.4	.0	.0	.0	.0	.0		2.3	
	11-21	.5	.0	.0	.9	.0	.0	.0	.0	.0		1.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.5	.5	.5	2.9	.7	.1	.0	.0	.0	.0	5.1	
2<5	0-3	.5	.6	1.4	.5	.5	.0	.0	.0	.0	1.4	4.7	
	4-10	.5	1.0	.6	.1	.0	.5	.5	.0	.0		3.5	
	11-21	.0	.5	.5	.5	.0	.0	.0	.0	.0		1.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.7	2.1	2.7	1.0	.5	.5	.5	.0	.0	1.4	9.5	
5<10	0-3	.0	.5	1.4	1.4	.9	.0	.5	.0	.0	1.9	6.5	
	4-10	.7	2.7	3.7	6.2	5.7	2.8	.5	1.5	.0		23.7	
	11-21	.0	.0	.5	1.4	.9	.1	.5	.5	.0		3.7	
	22+	.0	.0	.0	.0	.0	.5	.0	.0	.0		.5	
	TOT %	.7	3.1	5.6	9.0	7.6	3.4	1.5	2.0	.0	1.9	34.4	
10+	0-3	.5	.6	2.7	2.4	.0	.0	.5	1.9	.0	3.3	12.1	
	4-10	5.8	4.3	7.4	5.8	2.8	.9	.5	1.2	.0		28.8	
	11-21	.0	.1	1.9	4.1	1.4	.0	.0	.5	.0		7.9	
	22+	.0	.0	.5	.1	.0	.0	.0	.0	.0		.5	
	TOT %	6.4	5.0	12.5	12.4	4.2	.9	1.5	3.5	.0	3.3	49.3	
	TOT OBS												215
	TOT PCT	8.3	10.7	22.0	25.3	13.4	4.9	3.0	5.9	.0	6.5	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1962-1977
(OVER-ALL) 1882-1977

AREA 0005 SOLOMON ISLANDS NE
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NN >4/8) AND OCCURRENCE OF NN <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NN <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	20.0	4.0	4.0	.0	.0	.0	.0	28.0	72.0	25
06&09	.0	4.0	.0	12.0	12.0	8.0	4.0	.0	.0	.0	40.0	60.0	25
12&15	.0	.0	.0	12.5	6.3	.0	.0	.0	.0	.0	18.8	81.3	16
18&21	5.0	.0	.0	15.0	15.0	10.0	.0	.0	.0	.0	45.0	55.0	20
TOT	1	1	0	13	8	5	1	0	0	0	29	57	86
PCT	1.2	1.2	.0	15.1	9.3	5.8	1.2	.0	.0	.0	33.7	66.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	7.7	92.3	26
06&09	1.7	.0	8.5	11.1	46.2	32.5	117
12&15	.0	.0	.0	.0	14.3	85.7	21
18&21	2.6	.0	1.3	9.1	42.9	44.2	77
TOT	4	0	11	20	92	114	241
PCT	1.7	.0	4.6	8.3	38.2	47.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NN >4/8),BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND5+	NN <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	20.8	8.3	70.8	24
06&09	.0	4.2	16.7	29.0	58.3	24
12&15	.0	.0	13.3	6.7	80.0	15
18&21	5.3	10.5	26.3	21.1	52.6	19
TOT	1	3	16	13	93	82
PCT	1.2	3.7	19.5	15.9	64.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.0	.0	.0	.7	1	.7
85/89	.0	.0	.0	.0	2.1	9.8	8.4	4.2	35	24.5
80/84	.0	.0	.0	.0	1.4	18.9	30.1	14.7	93	65.0
75/79	.0	.0	.0	.0	.0	.0	3.5	6.3	14	9.8
TOTAL	0	0	0	0	3	41	80	37	143	100.0
PCT	.0	.0	.0	.0	3.5	28.7	42.0	25.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.7	.0	.0	.0	.0	.0	.0	.0	.0
1.7	1.6	9.6	6.4	1.2	.7	.7	.2	.0	2.1
4.0	5.2	10.6	18.9	7.5	2.4	2.3	3.8	.0	4.2
1.7	2.6	2.4	.9	.0	.0	.0	.7	.0	1.4
7.5	10.1	28.7	26.4	8.7	3.1	3.0	4.7	.0	7.7

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	90	89	89	84	80	77	77	84.3	27
06&09	90	89	88	82	78	76	76	82.5	118
12&15	85	84	84	82	80	78	78	82.1	22
18&21	89	88	86	82	79	73	73	82.2	78
TOT	90	89	87	82	78	76	73	82.6	245

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	.0	5.3	63.2	31.6	.0	70	19	
06&09	.0	.0	4.2	20.8	40.8	28.2	84	71		
12&15	.0	.0	6.7	26.7	33.3	13.3	82	15		
18&21	.0	.0	.0	20.0	46.7	33.3	86	45		
TOT	0	0	5	44	64	37	84	150		

NOVEMBER

PERIOD: (PRIMARY) 1968-1977
(OVER-ALL) 1882-1977

AREA 0005 SOLOMON ISLANDS NS
8.3S 160.2E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
7/8	.0	.0	.0	.0	1.0	2	.0	1.0
6	.0	.0	.0	.0	.5	1	.0	.5
5	.0	.0	.0	.5	.0	1	.0	.5
4	.0	.0	.5	1.0	1.5	6	.0	3.1
3	.0	.0	1.0	1.5	.5	6	.0	3.1
2	.0	.0	.5	4.1	.0	9	.0	4.6
1	.0	.5	3.6	3.6	.0	15	.0	7.7
0	.0	.5	12.9	3.1	.0	32	.0	16.5
-1	.0	1.5	10.8	1.0	.0	26	.0	13.4
-2	.0	.5	8.8	1.0	.0	20	.0	10.3
-3	.0	2.6	9.8	.0	.0	24	.5	11.9
-4	.0	3.6	5.7	1.0	.0	20	.0	10.3
-5	.0	2.6	3.6	.0	.0	12	.0	6.2
-6	.0	2.6	1.5	.0	.0	8	.0	4.1
-7/-8	.0	2.6	.5	1.0	.0	8	.0	4.1
-9/-10	.5	1.5	.0	.0	.0	4	.0	2.1
TOTAL	1	36	115	35	7	194	1	193
PCT	.5	18.6	59.3	18.0	3.6	100.0	.5	99.5

PERIOD: (OVER-ALL) 1968-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	3.8	.0	.0	.0	.0	3.8
1-2	.0	5.8	.0	.0	.0	.0	5.8
3-4	.0	3.8	.0	.0	.0	.0	3.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	13.5	.0	.0	.0	.0	13.5

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.3	.0	.0	.0	.0	2.3
1-2	.0	1.9	.0	.0	.0	.0	1.9
3-4	.0	3.0	.4	.0	.0	.0	3.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	9.2	.4	.0	.0	.0	9.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	4.2	2.7	.0	.0	.0	.0	6.9
1-2	1.5	4.2	1.2	.0	.0	.0	6.9
3-4	.0	1.5	2.7	.0	.0	.0	4.2
5-6	.0	.0	1.2	.0	.0	.0	1.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	5.8	8.5	5.0	.0	.0	.0	19.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.0	.0	.0	.0	.0	.4
1-2	1.5	6.9	5.0	.0	.0	.0	13.5
3-4	.0	3.5	4.6	.0	.0	.0	8.1
5-6	.0	1.5	1.9	.0	.0	.0	3.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.9	11.9	11.5	.0	.0	.0	25.4

PERIOD: (OVER-ALL) 1968-1977 NOVEMBER AREA 0005 SOLOMON ISLANDS NE
8.3S 160.2E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.5	.0	.0	.0	.0	1.5
1-2	.0	2.7	3.1	.0	.0	.0	5.8
3-4	.0	1.2	1.5	.0	.0	.0	2.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.4	4.6	.0	.0	.0	10.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.9	.0	.0	.0	.0	1.9
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.9	.0	.0	.0	.0	1.9

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	1.5	.0	.0	.0	.0	.0	1.5
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.5	.0	.0	.0	.0	.0	1.5

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.4	.0	.0	.0	.0	.4	
1-2	1.9	3.1	1.9	.0	.0	.0	6.9	
3-4	.0	.4	.0	.0	.0	.0	.4	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.9	3.6	1.9	.0	.0	.0	6.9	87.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	18.8	10.1	.0	.0	.0	.0	29.0	
1-2	5.8	27.5	10.1	.0	.0	.0	43.5	
3-4	.0	14.5	8.7	.0	.0	.0	23.2	
5-6	.0	1.4	2.9	.0	.0	.0	4.3	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	24.6	53.6	21.7	.0	.0	.0	100.0	69

PERIOD: (OVER-ALL) 1949-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.3	18.4	19.7	3.9	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	34	3
6-7	.0	3.9	7.9	7.9	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	4
8-9	.0	3.9	2.6	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	3
10-11	.0	3.9	2.6	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	3
12-13	.0	.0	2.6	1.3	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	1	20
INDET	5.3	1.3	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	1
TOTAL	3	24	28	15	3	2	0	0	0	0	1	0	0	0	0	0	0	0	0	76	3
PCT	6.6	31.6	36.8	17.1	3.9	2.6	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1886-1977

AREA 0005 SOLOMON ISLANDS NE
8.5S 160.7E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	4.5	10.6	10.6	.0	.0	.0	.0	25.8	6.1	6.1	.0	.0	.0		.0	62.1
NE	6.0	.0	1.5	.0	.0	.0	.0	7.5	1.5	.0	.0	.0	6.0		.0	85.1
E	10.1	5.1	.0	.0	.0	.0	.0	15.2	3.8	.0	.0	.0	.0		.0	81.0
SE	.0	8.2	.0	.0	.0	.0	.0	8.2	.0	8.2	.0	.0	.0		.0	83.5
S	22.6	.0	.0	.0	.0	.0	.0	22.6	6.5	.0	.0	.0	.0		.0	71.0
SW	5.4	.0	.0	.0	.0	.0	.0	5.4	.0	.0	.0	.0	.0		.0	94.6
W	6.7	.0	.0	.0	.0	.0	.0	6.7	.0	15.0	.0	.0	.0		.0	78.3
NW	6.6	1.3	.0	.0	.0	.0	.0	7.9	.0	3.9	.0	.0	.0		.0	88.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	14.3	.0	.0	.0	.0		.0	85.7
TOT PCT	7.0	3.3	1.4	.0	.0	.0	.0	11.9	2.8	4.2	.0	.0	.7		.0	80.4
TOT OBS:	143															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	6.3	.0	.0	.0	.0		.0	93.8
06&09	13.3	4.4	.0	.0	.0	.0	.0	14.7	.0	1.8	.0	.0	1.5		.0	82.4
12&15	3.4	3.4	3.4	.0	.0	.0	.0	10.3	6.9	17.2	.0	.0	.0		.0	65.5
18&21	5.6	2.8	2.8	.0	.0	.0	.0	11.1	2.8	2.8	.0	.0	.0		.0	83.3
TOT PCT	6.7	3.4	1.3	.0	.0	.0	.0	11.4	2.7	4.7	.0	.0	.7		.0	80.5
TOT OBS:	149															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	4.1	6.0	1.2	.0	.0	.0		11.2	6.1	13.3	.0	10.3	11.0	9.6	.0	6.7	16.7
NE	9.3	5.3	.9	.0	.0	.0		11.4	4.7	6.7	.0	19.0	15.2	10.6	.0	6.7	1.2
E	9.2	7.5	2.7	.0	.0	.0		19.4	7.0	9.0	.0	22.4	12.2	20.2	.0	5.0	7.1
SE	2.2	7.5	6.8	.0	.0	.0		16.5	8.8	20.3	.0	19.0	12.8	18.3	.0	21.7	8.3
S	2.6	7.0	1.2	.5	.0	.0		11.2	6.4	6.7	.0	5.2	13.4	14.4	.0	18.3	9.3
SW	.7	4.6	.9	.2	.0	.0		6.3	8.4	13.3	.0	5.2	1.2	3.8	.0	15.0	9.5
W	1.9	7.0	1.4	.7	.0	.0		10.9	7.9	20.0	.0	3.4	8.5	13.5	.0	.0	23.8
NW	2.6	9.7	.7	.7	.0	.0		13.6	7.3	.0	.0	5.2	23.2	5.8	.0	20.0	21.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.4							5.4	.0	6.7	.0	10.3	2.4	3.8	.0	6.7	4.8
TOT OBS	41	80	23	3	0	0	147		6.7	15	0	29	41	26	0	18	21
TOT PCT	27.9	54.4	15.6	2.0	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	6.5	4.3	.5	.0	.0		11.2	6.1	13.3	10.7	9.6	12.5
NE	8.7	2.6	.2	.0	.0		11.4	4.7	6.7	16.8	10.6	3.5
E	7.0	6.5	.0	.0	.0		13.4	7.0	5.0	16.4	20.2	6.3
SE	7.5	8.3	.7	.0	.0		16.3	8.8	28.3	15.4	18.3	12.5
S	8.8	1.9	.5	.0	.0		11.2	6.4	6.7	10.0	14.4	13.2
SW	2.4	2.1	.9	.0	.0		6.3	8.4	13.3	2.9	3.8	11.8
W	5.6	4.6	.0	.7	.0		10.9	7.9	20.0	6.4	13.5	13.9
NW	8.0	4.3	.7	.7	.0		13.6	7.3	.0	15.7	5.8	20.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	5.4						5.4	.0	6.7	5.7	3.8	5.6
TOT OBS	88	52	5	2	0	147		6.7	15	70	26	36
TOT PCT	59.9	35.4	3.4	1.4	.0		100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1886-1977

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00608	6.7	20.0	53.3	20.0	.0	.0	.0	7.6	100.0	15
06609	5.7	27.1	51.4	14.3	1.4	.0	.0	6.0	100.0	70
12613	3.8	11.5	57.7	23.1	3.8	.0	.0	8.3	100.0	26
18621	5.6	22.2	58.3	11.1	2.8	.0	.0	6.5	100.0	36
TOT	8	33	80	23	3	0	0	6.7		147
PCT	5.4	22.4	54.4	15.6	2.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	6.4	2.2		6.0
NE	1.3	1.6	7.1	1.6		5.6
E	3.2	4.5	7.1	2.2		4.7
SE	4.5	7.1	4.5	5.4		4.7
S	3.8	1.9	2.6	1.3		4.1
SW	2.6	.3	2.6	2.6		5.2
W	2.0	1.0	3.9	2.6		5.3
NW	.0	.3	3.5	3.8		6.6
VAR	.0	.0	.0	.0		.0
CALM	1.3	.0	2.6	2.6		5.2
TOT OBS	15	13	31	19	78	5.1
TOT PCT	19.2	16.7	39.7	24.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	2.2	.0	.0	.0	.0	.0	6.4	
NE	.0	.0	2.6	1.3	1.6	2.6	.0	.0	.0	.0	3.5	
E	.0	.0	1.3	.0	2.2	1.0	.0	.0	.0	.0	12.5	
SE	.0	.0	1.3	.0	4.2	1.6	.0	.0	.0	.0	14.4	
S	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	8.3	
SW	.0	.0	.0	2.6	1.3	.0	.0	.0	.0	.0	4.2	
W	1.3	.0	1.3	1.3	.0	.0	.0	.0	.0	.0	5.8	
NW	.0	.0	2.6	2.6	.0	.0	.0	.0	.0	.0	2.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	3.8	
TOT OBS	1	1	8	7	9	4	0	0	0	0	48	78
TOT PCT	1.3	1.3	10.3	9.0	11.5	5.1	.0	.0	.0	.0	61.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) • OR >10	• OR >5	• OR >2	• OR >1	• OR >1/2	• OR >1/4	• OR >50YD	• OR >0
• OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
• OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
• OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
• OR >2000	3.7	4.9	4.9	4.9	4.9	4.9	4.9	4.9
• OR >1000	8.5	12.2	14.6	14.6	13.9	13.9	13.9	13.9
• OR >600	19.9	22.0	24.4	24.4	25.6	25.6	25.6	25.6
• OR >300	29.2	31.7	34.1	34.1	35.4	35.4	35.4	35.4
• OR >150	24.4	32.9	35.4	35.4	36.6	36.6	36.6	36.6
• OR > 0	24.4	34.1	36.6	36.6	37.8	37.8	37.8	37.8
TOTAL	20	28	30	30	31	31	31	31

TOTAL NUMBER OF OBS: 82 PCT FREQ NH <5/8: 62.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.5	12.8	19.8	14.0	11.6	11.6	7.0	7.0	11.6	1.2	86

DECEMBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1886-1977

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.5	.0	.7	1.4	.0	.0	.0	.2	.0	.0	2.8	
	NO PCP	.5	3.0	.7	1.4	.7	.2	.5	.7	.0	.0	7.7	
	TOT %	1.1	3.0	1.4	2.8	.7	.2	.5	.9	.0	.0	10.6	
5<10	PCP	.5	.2	.7	.0	1.8	.4	.7	.0	.0	.0	4.2	
	NO PCP	1.4	2.8	.7	2.8	.7	.7	1.9	3.0	.0	.0	14.1	
	TOT %	1.9	3.0	1.4	2.8	2.5	1.1	2.6	3.0	.0	.0	18.3	
10+	PCP	1.2	.7	.0	.0	.7	.0	.0	.9	.0	.0	3.5	
	NO PCP	6.7	9.1	10.4	11.4	7.0	9.3	7.4	8.6	.0	4.9	66.9	
	TOT %	7.9	9.8	10.4	11.4	7.7	9.3	7.4	9.5	.0	4.9	70.4	
	TOT OBS												142
	TOT PCT	10.9	11.8	13.9	17.1	10.9	6.5	10.6	13.4	.0	4.9	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.7	.0	.0	.0	.0	.0	.0		.7	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.7	.0		.7	
	11-21	.0	.0	.0	.0	.7	.0	.0	.0	.0		.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.7	.0	.0	.7	.0	.0	1.4	
2<5	0-3	1.0	2.2	1.4	.7	.7	.0	.0	.2	.0	.0	6.2	
	4-10	.0	.7	.0	.7	.0	.2	.5	.7	.0		2.8	
	11-21	.0	.0	.0	1.4	.0	.0	.0	.0	.0		1.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.0	2.9	1.4	2.8	.7	.2	.5	.9	.0	.0	10.3	
5<10	0-3	.0	1.4	.7	.7	.7	.0	.7	.7	.0	.0	4.8	
	4-10	.7	1.4	.7	2.1	1.7	1.0	.5	1.6	.0		9.7	
	11-21	1.2	.2	.0	.0	.0	.0	.7	.0	.0		2.1	
	22+	.0	.0	.0	.0	.0	.0	.7	.7	.0		1.4	
	TOT %	1.9	2.9	1.4	2.8	2.4	1.0	2.6	2.9	.0	.0	17.9	
10+	0-3	3.1	1.7	1.2	.9	1.2	.7	1.2	1.7	.0	4.8	16.6	
	4-10	4.7	3.3	6.2	4.8	3.3	2.4	6.0	6.9	.0		40.7	
	11-21	.0	.7	2.8	3.5	.5	.9	.7	.7	.0		11.7	
	22+	.0	.0	.0	.0	.5	.2	.0	.0	.0		.7	
	TOT %	7.8	5.7	10.2	11.2	7.6	3.2	7.9	9.3	.0	4.8	69.7	
	TOT OBS												145
	TOT PCT	10.7	11.6	13.6	16.7	11.4	6.4	11.0	13.8	.0	4.8	100.0	

DECEMBER

PERIOD: (PRIMARY) 1963-1977
(OVER-ALL) 1886-1977

AREA 0005 SOLOMON ISLANDS NE
8.5S 160.7E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	6.7	6.7	20.0	6.7	6.7	.0	.0	.0	.0	46.7	53.3	15
06&09	.0	.0	7.1	3.6	14.3	3.6	.0	.0	.0	.0	28.6	71.4	28
12&15	3.8	.0	3.8	11.5	15.4	3.8	.0	.0	.0	.0	38.5	61.5	26
18&21	.0	.0	26.7	6.7	.0	6.7	.0	.0	.0	.0	40.0	60.0	15
TOT	1	1	8	8	9	4	0	0	0	0	31	53	84
PCT	1.2	1.2	9.5	9.5	10.7	4.8	.0	.0	.0	.0	36.9	63.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	12.5	87.5	16
06&09	.0	1.4	4.2	19.7	19.7	54.9	71
12&15	.0	.0	.0	3.4	20.7	75.9	29
18&21	.0	.0	.0	.0	11.1	88.9	36
TOT	0	1	3	15	26	107	152
PCT	.0	.7	2.0	9.9	17.1	70.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <30yD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	13.3	33.3	13.3	53.3	15
06&09	.0	10.7	17.9	10.7	71.4	28
12&15	4.0	8.0	24.0	16.0	60.0	25
18&21	.0	28.6	35.7	7.1	57.1	14
TOT	1	11	21	10	51	82
PCT	1.2	13.4	25.6	12.2	62.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
98/99	.0	.0	.0	1.0	.0	.0	.0	.0	1	1.0
90/94	.0	.0	.0	1.0	1.0	.0	.0	.0	2	2.0
85/89	.0	.0	.0	.0	4.0	8.9	6.9	6.9	27	26.7
80/84	.0	.0	.0	.0	4.0	14.9	27.7	14.9	62	61.4
75/79	.0	.0	.0	.0	.0	.0	2.0	6.9	9	8.9
TOTAL	0	0	0	2	9	24	37	29	101	100.0
PCT	.0	.0	.0	2.0	8.9	23.8	36.6	28.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0
1.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
3.2	3.2	2.5	5.2	2.0	2.0	1.0	6.7	.0	1.0
6.7	5.0	9.7	10.1	8.2	3.7	6.9	9.2	.0	2.0
1.7	.2	1.0	2.0	1.5	.5	2.0	.0	.0	.0
12.6	8.4	13.1	17.3	11.6	6.2	10.9	15.8	.0	4.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	89	88	88	84	80	80	80	84.2	15
06&09	92	91	90	84	80	79	79	84.7	71
12&15	85	84	84	82	78	73	73	81.4	28
18&21	98	97	89	83	79	78	78	83.6	37
TOT	98	92	89	83	79	78	73	83.7	151

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	33.3	44.4	11.1	11.1	76	9
06&09	.0	1.9	9.4	28.3	32.1	28.3	82	53
12&15	.0	.0	4.5	22.7	50.0	22.7	83	22
18&21	.0	4.5	.0	18.2	40.9	36.4	85	22
TOT	0	2	9	28	38	29	82	106

DECEMBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1886-1977

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
11/13	.0	.0	.8	.0	1	.0	.8
10	.0	.0	.0	1.6	2	.0	1.6
5	.0	.0	.0	2.3	3	.0	2.3
4	.0	.0	.8	3.1	5	.0	3.9
3	.0	.8	1.6	2.3	6	.0	4.7
2	.0	1.6	2.3	2.3	8	.0	6.3
1	.8	1.6	3.9	.0	8	.0	6.3
0	.0	5.5	4.7	.0	13	.0	10.2
-1	.0	7.8	6.3	.0	18	.0	14.1
-2	1.6	7.8	.8	.0	13	.0	10.2
-3	3.1	10.9	.0	.0	18	.0	14.1
-4	.8	10.2	.8	.0	15	.0	11.7
-5	2.3	3.9	.0	.0	8	.0	6.3
-6	.8	.0	.0	.0	1	.0	.8
-7/-8	1.6	1.6	.0	.0	4	.0	3.1
-9/-10	.0	.8	2.3	.0	4	.0	3.1
-11/-13	.0	.8	.0	.0	1	.0	.8
TOTAL	14	68	31	15	128	0	128
PCT	10.9	53.1	24.2	11.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	3.5	.0	.0	.0	.0	3.5
1-2	1.1	2.5	.0	.0	.0	.0	3.5
3-4	.0	.0	1.4	.0	.0	.0	1.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
γO_T PC_T	1.1	6.0	1.4	.0	.0	.0	8.5

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.8	.4	.0	.0	.0	.0	3.2
1-2	.4	4.6	1.4	.0	.0	.0	6.3
3-4	.0	2.8	.0	.0	.0	.0	2.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
γO_T PC_T	3.2	7.7	1.4	.0	.0	.0	12.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.4	.0	.0	.0	.0	1.4
1-2	1.4	9.9	.0	.0	.0	.0	11.3
3-4	.0	1.4	2.1	.0	.0	.0	3.5
5-6	.0	.0	1.4	.0	.0	.0	1.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	1.1	.0	.0	.0	1.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
γO_T PC_T	1.4	12.7	4.6	.0	.0	.0	18.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.4	.0	.0	.0	.0	.0	1.4
1-2	.0	5.6	4.2	.0	.0	.0	9.9
3-4	.0	1.4	6.3	.0	.0	.0	7.7
5-6	.0	.0	2.8	.0	.0	.0	2.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.4	.0	.0	.0	.4
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
γO_T PC_T	1.4	7.0	13.7	.0	.0	.0	22.2

PERIOD: (OVER-ALL) 1963-1977 DECEMBER AREA 0005 SOLOMON ISLANDS NE

TABLE 18 (CONT) 8.5S 160.7E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.4	.0	.0	.0	.0	1.4
1-2	.0	5.3	.0	.0	.0	.0	5.3
3-4	.0	.0	1.1	.0	.0	.0	1.1
5-6	1.4	.0	.0	.0	.0	.0	1.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	6.7	1.1	.0	.0	.0	9.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	1.4	4.2	.0	.0	.0	.0	5.6
3-4	.0	.0	.4	.0	.0	.0	.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	4.2	.4	.0	.0	.0	6.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.1	.0	.0	.0	.0	.0	1.1
1-2	.0	5.3	.0	.0	.0	.0	5.3
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	1.4	.0	1.4	.0	.0	.0	2.8
7	.0	.0	.0	1.4	.0	.0	1.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.5	5.3	1.4	1.4	.0	.0	10.6

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.8	.0	.0	.0	.0	2.1
1-2	.0	.7	.0	.0	.0	.0	.7
3-4	.0	1.4	1.4	.0	.0	.0	2.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	1.4	.0	.0	1.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	3.9	1.4	1.4	.0	.0	7.0

HGT	TOTAL PCT
<1	
1-2	
3-4	
5-6	
7	
8-9	
10-11	
12	
13-16	
17-19	
20-22	
23-25	
26-32	
33-40	
41-48	
49-60	
61-70	
71-86	
87+	
TOT PCT	94.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	13.7	8.2	.0	.0	.0	.0	21.9	
1-2	4.1	37.0	5.5	.0	.0	.0	46.6	
3-4	.0	6.8	12.3	.0	.0	.0	19.2	
5-6	2.7	.0	5.5	.0	.0	.0	8.2	
7	.0	.0	.0	2.7	.0	.0	2.7	
8-9	.0	.0	1.4	.0	.0	.0	1.4	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	20.5	52.1	24.7	2.7	.0	.0	100.0	73

PERIOD: (OVER-ALL) 1956-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	13.4	13.4	8.5	1.2	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	31	3
6-7	.0	1.2	8.1	11.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	4
8-9	.0	.0	4.9	2.4	3.7	3.7	1.2	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	7
10-11	.0	2.4	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	4
12-13	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	6.1	1.2	6.1	1.2	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	3
TOTAL	5	15	28	19	8	3	1	2	0	1	0	0	0	0	0	0	0	0	0	82	4
PCT	6.1	18.3	34.1	23.2	9.8	3.7	1.2	2.4	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1910-1978
(OVER-ALL) 1957-1978

AREA 0005 SOLOMON ISLANDS NE
8.4S 160.7E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	7.2	2.7	4.8	.0	.0	.0	.0	14.7	3.8	5.7	.0	.0	.4		.0	76.0
NE	12.7	5.4	2.4	.0	.0	.0	.0	20.5	5.5	.6	.5	.0	1.0		.0	73.9
E	7.1	4.8	1.7	.0	.0	.0	.0	13.4	2.2	2.5	.5	.0	.8		.0	80.6
SE	4.3	4.8	1.7	.0	.0	.0	.0	10.7	2.6	3.8	.1	.0	.9		.0	81.9
S	8.2	3.7	.0	.0	.0	.0	.0	13.9	3.2	6.2	.0	.0	1.3		.0	79.1
SW	8.4	1.7	1.5	.0	.0	.0	.0	11.7	.5	5.7	.0	.0	.6		.0	84.8
W	3.7	4.8	.3	.0	.0	.0	.0	8.7	.8	3.0	.0	.0	.0		.0	87.4
NW	6.8	6.2	3.4	.0	.0	.0	.0	16.5	.7	3.4	.0	.0	.0		.0	79.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	4.5	3.3	1.7	.0	.0	.0	.0	9.5	1.2	5.1	2.3	.0	.6		.0	73.0
TOT PCT	7.0	5.3	1.8	.0	.0	.0	.0	14.3	2.9	3.7	.2	.0	.9		.0	78.4
TOT OBS:	1645															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	5.3	3.4	2.0	.0	.0	.0	.0	10.7	4.6	.0	.4	.0	.9		.0	83.4
06&09	9.1	4.3	1.7	.0	.0	.0	.1	15.1	1.7	4.0	.3	.0	1.1		.0	78.1
12&15	9.3	7.3	1.7	.0	.0	.0	.0	14.3	5.8	6.8	.0	.0	.5		.0	70.9
18&21	6.8	6.4	1.8	.0	.0	.0	.0	14.9	1.7	3.9	.3	.0	.5		.0	79.5
TOT PCT	7.4	5.3	1.7	.0	.0	.0	.1	14.4	2.7	4.0	.3	.0	.8		.0	78.2
TOT OBS:	1738															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.3	4.5	1.1	.0	.0	.0		7.9	6.0	8.0	.0	9.3	9.3	6.3	6.3	7.0	7.4
NE	2.2	5.3	1.0	*	.1	.0		8.6	6.4	8.1	11.1	7.9	10.1	5.0	5.7	4.9	9.2
E	3.0	12.1	5.1	.2	.0	.0		20.4	7.8	19.6	6.3	24.3	20.3	24.2	14.5	19.1	18.2
SE	3.6	14.1	11.1	.6	.0	.0		29.6	9.0	35.1	19.1	31.1	29.4	32.7	29.0	27.3	23.8
S	1.2	4.9	1.7	.2	.0	.0		8.1	7.3	9.1	9.2	7.1	6.8	8.6	.6	14.3	10.0
SW	.7	3.2	.3	*	*	.0		4.3	6.6	3.2	1.0	3.7	3.3	2.1	.0	3.9	7.4
W	1.5	3.8	1.9	.3	.0	.0		7.0	6.9	7.9	3.1	4.2	6.3	3.4	12.1	6.7	10.1
NW	2.2	6.4	1.6	.3	.0	.0		10.4	6.9	8.3	4.2	8.1	11.9	11.4	11.7	7.4	11.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.7							3.7	.0	4.6	.0	4.3	2.3	4.1	9.5	7.3	2.4
TOT OBS							1786		8.0	234	11	240	529	180	22	174	396
TOT PCT	29.4	64.2	23.4	1.8	.1	.0		100.0		100.0	50.0	100.0	100.0	100.0	83.3	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	4.7	3.0	.2	.0	.0		7.9	6.0	7.8	9.1	6.3	7.2
NE	3.2	3.2	.1	.1	.0		8.6	6.4	8.4	9.6	5.6	8.0
E	8.8	10.3	1.1	.0	.0		20.4	7.8	19.7	21.2	23.9	18.1
SE	10.0	15.2	4.2	.2	.0		29.6	9.0	34.8	30.4	32.3	23.2
S	4.1	3.8	.3	.0	.0		8.1	7.3	8.6	6.9	7.7	11.4
SW	2.5	1.7	.1	*	.0		4.3	6.6	2.3	3.3	1.7	6.9
W	3.6	2.9	.3	.1	.0		7.0	6.9	7.8	5.6	6.8	8.9
NW	3.6	6.1	.6	.1	.0		10.4	6.9	8.3	10.9	11.6	10.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.7						3.7	.0	4.4	3.0	4.8	4.0
TOT OBS						1786		8.0	248	709	202	370
TOT PCT	48.1	44.0	7.4	.3	.0		100.0		100.0	100.0	100.0	100.0

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PERIOD: (PRIMARY) 1910-1978
(OVER-ALL) 1857-1978

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	4.4	8.7	46.7	37.2	3.0	.0	.0	9.8	100.0	345
06&09	3.0	19.6	54.2	21.9	1.2	.1	.0	7.5	100.0	789
12&15	4.8	8.9	54.9	28.8	2.6	.0	.0	9.2	100.0	202
18&21	4.0	19.7	57.3	17.1	1.9	.1	.0	7.2	100.0	570
TOT								8.0		1786
PCT	3.7	16.7	54.2	23.4	1.8	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.7	1.3	3.2	2.4		5.9
NE	.4	1.3	4.3	1.9		5.9
E	2.5	6.3	8.2	5.3		5.4
SE	4.8	6.6	12.3	7.9		4.9
S	1.1	1.7	2.5	2.8		5.8
SW	.6	.2	1.2	.9		4.1
W	.5	1.0	2.3	2.3		5.8
NW	.6	1.5	3.9	2.7		5.2
VAR	.0	.0	.0	.0		.0
CALM	.5	.7	2.9	.5		4.6
TOT OBS					741	5.3
TOT PCT	11.8	20.7	40.7	26.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.1	.4	.4	1.7	.6	.0	.0	.0	.0	4.4	
NE	*	*	.6	1.3	1.1	.6	.0	.0	.0	.0	4.3	
E	.2	.1	1.0	3.0	2.1	1.3	.0	.0	.0	.0	13.5	
SE	.2	.0	1.4	3.1	3.4	1.4	.8	.0	.0	.1	19.3	
S	.1	.0	.1	1.2	1.4	.1	.2	.0	.0	.1	4.4	
SW	.0	.0	*	.3	.6	.0	.0	.0	.0	*	1.7	
W	.1	.0	.6	1.1	.4	.3	.0	.1	.0	.0	3.5	
NW	.3	.0	.4	1.3	1.0	.3	.3	.0	.0	.0	5.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.1	.3	.2	.5	.2	.0	.0	.0	.0	3.7	
TOT OBS												741
TOT PCT	.9	.4	4.7	12.1	14.0	4.7	1.4	.1	.0	.3	61.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >900YD	* OR >0
* OR >6500	.2	.2	.2	.2	.2	.2	.2	.2
* OR >5000	.4	.4	.5	.5	.5	.5	.5	.5
* OR >3500	1.4	1.8	1.9	1.9	1.9	1.9	1.9	1.9
* OR >2000	4.9	6.2	6.6	6.6	6.6	6.6	6.6	6.6
* OR >1000	13.9	18.5	19.9	19.9	20.4	20.4	20.4	20.4
* OR >600	19.9	29.5	32.0	32.1	32.8	32.8	32.9	33.0
* OR >300	21.7	32.5	35.8	36.1	37.1	37.1	37.4	37.6
* OR >130	22.0	32.8	36.2	36.4	37.5	37.5	37.7	37.9
* OR > 0	22.2	33.1	36.5	36.9	38.0	38.1	38.5	38.7

TOTAL NUMBER OF OBS: 773 PCT FREQ NH <5/8: 61.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
2.7	10.7	15.6	17.0	14.8	7.4	8.8	6.8	15.7	.5	828

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PERIOD: (PRIMARY) 1910-1978
(OVER-ALL) 1957-1978

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.1	*	.3	*	.0	.1	.1	.0	.0	.6	
	NO PCP	.0	.0	*	.1	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.1	.1	.4	*	.0	.1	.1	.0	.0	.7	
1/2<1	PCP	.0	.1	.1	.3	.1	.0	.1	.1	.0	.0	.7	
	NO PCP	.0	.0	.0	.2	.1	*	.1	.0	.0	.0	.4	
	TOT %	.0	.1	.1	.5	.1	*	.2	.1	.0	.0	1.1	
1<2	PCP	.2	.1	.2	.2	*	*	.1	.1	.0	.0	1.0	
	NO PCP	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3	
	TOT %	.3	.2	.2	.3	*	*	.1	.1	.0	.0	1.3	
2<5	PCP	.3	.1	.8	.6	.1	*	.0	.2	.0	.0	2.1	
	NO PCP	.5	.8	1.8	2.1	.4	.3	.5	.8	.0	.3	7.5	
	TOT %	.8	.9	2.6	2.7	.5	.4	.5	1.0	.0	.3	9.7	
5<10	PCP	.3	.8	1.0	1.3	.7	.2	.3	.6	.0	.1	5.3	
	NO PCP	1.0	2.0	4.1	7.7	2.6	.8	1.5	2.4	.0	.4	22.5	
	TOT %	1.4	2.8	5.1	9.2	3.3	1.0	1.8	3.0	.0	.5	28.1	
10+	PCP	.4	.6	.7	.8	.3	.3	.4	.8	.0	.2	4.2	
	NO PCP	4.7	4.2	11.2	18.7	4.3	2.6	3.9	5.9	.0	2.3	86.9	
	TOT %	5.2	4.8	11.9	19.6	4.9	2.9	4.4	6.4	.0	2.5	99.1	
	TOT OBS												1642
	TOT PCT	7.6	8.9	20.0	29.6	8.9	4.3	7.1	10.7	.0	3.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	*	.0	.0	.0	.1	.1	.0	.1	.3	
	4-10	.0	.0	.2	.3	.0	.0	.1	.0	.0		.6	
	11-21	.0	.1	*	.2	*	.0	.0	.0	.0		.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.1	.3	.5	*	.0	.1	.1	.0	.1	1.3	
1/2<1	0-3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	4-10	*	.1	.3	.2	.1	.0	.0	.1	.0		.8	
	11-21	.0	.1	*	.3	.1	*	.2	.0	.0		.7	
	22+	.0	.0	.0	.1	.0	.0	.0	.0	.0		.1	
	TOT %	*	.1	.4	.9	.2	*	.2	.1	.0	.0	1.9	
1<2	0-3	.1	.2	.0	.1	.1	*	.1	.0	.0	.1	.5	
	4-10	.4	.1	.3	.7	*	.1	.1	.2	.0		2.1	
	11-21	.2	.1	.2	.3	.1	.0	*	*	.0		.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.6	.3	.7	1.1	.2	.1	.2	.2	.0	.1	3.4	
2<5	0-3	.2	.3	.6	.4	.2	.1	.1	.2	.0	.2	2.3	
	4-10	.4	.3	1.1	1.2	.2	.2	.4	.6	.0		4.7	
	11-21	.1	.1	.3	.9	.0	.0	.1	.1	.0		2.1	
	22+	.0	.0	.0	.1	.1	.0	.0	.1	.0		.3	
	TOT %	.8	.9	2.0	2.6	.5	.4	.6	1.0	.0	.2	9.4	
5<10	0-3	.3	.6	1.0	1.1	.4	.1	.3	.6	.0	.5	5.2	
	4-10	.8	1.7	2.3	3.6	1.0	.7	.6	1.9	.0		13.0	
	11-21	.2	.3	1.2	3.6	.7	.1	.3	.4	.0		6.8	
	22+	.0	.1	.2	.3	.1	*	.1	.1	.0		1.0	
	TOT %	1.3	2.7	4.9	8.7	2.1	1.0	1.3	3.0	.0	.5	26.9	
10+	0-3	1.8	1.3	1.4	1.8	.6	.3	.8	1.3	.0	2.3	11.8	
	4-10	2.7	2.9	7.4	8.0	2.8	2.1	2.7	3.7	.0		32.4	
	11-21	.3	.3	2.6	3.8	.9	.3	.7	1.1	.0		12.4	
	22+	.0	.0	*	.3	*	*	.1	.1	.0		.3	
	TOT %	5.0	4.6	11.4	13.8	4.4	2.8	4.3	6.2	.0	2.3	57.1	
	TOT OBS												1710
	TOT PCT	7.7	8.7	20.2	29.6	8.4	4.2	7.2	10.6	.0	3.4	100.0	

ANNUAL

PERIOD: (PRIMARY) 1910-1978
(OVER-ALL) 1857-1978

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.9	.6	3.1	13.1	11.1	4.0	3.1	.5	.0	.0	36.2	63.8	234
06&09	.8	.8	3.5	11.3	15.2	4.5	1.0	.3	.0	.0	37.5	62.5	237
12&15	.8	.0	6.8	9.8	14.1	3.4	.8	.0	.0	1.3	37.1	62.9	165
18&21	.4	.0	4.6	15.3	12.0	4.9	.0	.0	.0	.0	37.1	62.9	169
TOT PCT	.8	.3	4.4	12.3	13.3	4.5	1.4	.2	.0	.2	37.5	62.5	805 100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.7	.0	.9	4.4	16.0	78.1	244
06&09	1.8	3.3	6.0	14.5	33.2	41.1	780
12&15	1.2	1.7	1.1	4.3	23.2	68.5	204
18&21	.4	.4	1.4	4.7	28.6	64.5	577
TOT PCT	1.2	1.8	3.3	9.0	28.2	56.5	1805 100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NM >4/8), BY HOUR

HOUR (GMT)	<150 <5OYD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	1.2	4.9	20.4	17.3	62.3	232
06&09	.9	7.0	19.1	19.2	61.7	230
12&15	.9	8.9	22.4	18.5	59.1	152
18&21	.4	5.7	24.1	16.7	59.2	159
TOT PCT	1.0	6.5	21.3	18.5	60.2	773 100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.2	.2	.1	.0	.0		.5
90/94	.0	.0	.0	.1	.4	.4	.2	.1		1.1
85/89	.0	.0	.0	.1	2.0	8.3	5.6	3.6		19.6
80/84	.0	.0	.0	.0	1.8	15.9	33.7	17.7		69.1
75/79	.0	.0	.0	.0	.1	.2	2.8	6.6		9.6
70/74	.0	.0	.0	.0	.0	.0	.0	.1		.1
TOTAL PCT	.0	.0	.0	.3	4.5	24.8	42.4	28.0	1368	100.0

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.1	.2	.1	.0	.0	.0	.1	.0	.0	.0
.1	.1	.1	.3	.1	.0	.0	.2	.0	.1
2.1	1.8	3.6	4.3	.9	1.4	1.4	3.2	.0	.9
4.8	4.5	15.1	22.9	5.5	2.4	5.3	6.3	.0	2.3
.7	1.3	2.2	2.7	.9	.3	.5	.6	.0	.4
.0	.1	.0	.1	.0	.0	.0	.0	.0	.0
7.9	7.9	21.1	30.3	7.4	4.1	7.2	10.4	.0	3.7

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	96	88	87	84	79	78	74	83.5	253
06&09	95	90	87	83	79	76	68	83.0	783
12&15	86	84	83	82	78	78	73	81.7	209
18&21	98	90	87	82	78	76	73	82.2	598
TOT	98	90	87	83	79	76	68	82.7	1843

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.5	9.2	41.2	37.2	11.9	80	199
06&09	.0	.3	5.7	24.3	39.0	30.7	84	397
12&15	.0	.0	1.5	29.6	53.0	15.9	83	162
18&21	.0	.4	1.6	19.1	44.9	34.1	86	446
TOT	0	4	62	355	593	390	84	1404

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PERIOD: (PRIMARY) 1910-1978
(OVER-ALL) 1857-1978

TABLE 17

AREA 0005 SOLOMON ISLANDS NE
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PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.0	.0	.1	.1	2	.0	.2
11/13	.0	.0	.0	.0	.0	.1	.1	.1	4	.0	.3
9/10	.0	.0	.0	.0	.0	.1	.0	.3	5	.0	.4
7/8	.0	.0	.0	.1	.1	.1	.1	.1	7	.0	.4
6	.0	.0	.0	.0	.1	.2	.5	.0	13	.0	.8
5	.0	.0	.0	.0	.2	.5	.8	.0	21	.0	1.3
4	.0	.0	.0	.0	.2	1.2	.9	.0	35	.0	2.3
3	.0	.0	.0	.0	.7	1.9	.5	.0	46	.0	3.0
2	.0	.0	.0	.1	1.8	2.1	.5	.0	67	.0	4.5
1	.0	.0	.0	.4	2.4	3.8	.1	.0	103	.0	6.7
0	.0	.0	.0	.3	7.3	3.9	.0	.0	179	.1	11.7
-1	.0	.0	.1	1.0	10.1	2.2	.0	.0	199	.1	13.3
-2	.0	.0	.0	1.6	12.3	.7	.0	.0	212	.1	14.2
-3	.0	.0	.0	2.3	10.6	.7	.0	.0	200	*	13.7
-4	.0	.0	.1	2.8	7.2	.4	.0	.0	160	.0	10.6
-5	.0	.0	.1	3.4	3.0	.2	.0	.0	100	.0	6.8
-6	.0	.0	.0	3.1	.8	.0	.0	.0	57	.0	3.9
-7/-8	.0	.0	.2	2.6	.7	.1	.0	.0	54	.0	3.6
-9/-10	.0	.0	.4	.8	.1	.2	.0	.0	19	.0	1.2
-11/-13	.0	.0	.1	.1	.1	.0	.0	.0	4	.0	.3
-14/-16	.1	.0	.0	.0	.0	.0	.0	.0	1	.0	.1
TOTAL									1488		
PCT	.1	.0	1.1	18.6	57.7	18.4	3.4	.6	100.0	.3	99.7

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	1.1	.0	.0	.0	.0	1.9
1-2	.9	2.6	.7	.0	.0	.0	4.2
3-4	.0	1.2	.3	.0	.0	.0	1.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.7	4.8	1.0	.0	.0	.0	7.5

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.6	.0	.0	.0	.0	1.1
1-2	.4	2.3	.8	.0	.0	.0	3.7
3-4	.0	1.0	1.2	.0	.0	.0	2.2
5-6	.0	.0	.1	.2	.0	.0	.3
7	.0	.0	.0	.0	.2	.0	.2
8-9	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	4.2	2.1	.2	.2	.0	7.5

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.4	.3	.0	.0	.0	2.2
1-2	1.1	7.8	1.7	.0	.0	.0	10.7
3-4	.2	3.0	3.4	.1	.0	.0	6.7
5-6	.0	.2	1.1	.1	.0	.0	1.4
7	.0	.0	.6	.0	.0	.0	.6
8-9	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.2	.0	.0	.0	.2
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.9	12.4	7.5	.2	.0	.0	21.8

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	1.2	.1	.0	.0	.0	2.0
1-2	.5	6.2	4.6	.0	.0	.0	11.3
3-4	.0	4.4	6.2	.1	.0	.0	10.7
5-6	.0	.1	3.1	*	.0	.0	3.3
7	.0	.2	1.6	.2	.0	.0	2.0
8-9	.0	.2	.4	.3	.0	.0	.9
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	14.2	16.0	.7	.0	.0	32.2

PERIOD: (OVER-ALL) 1963-1978 ANNUAL AREA 0005 SOLOMON ISLANDS NE
8.6S 160.7E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.3	.3	.0	.0	.0	1.9
1-2	.2	2.0	.7	.0	.0	.0	2.9
3-4	.0	1.4	.9	.2	.0	.0	2.5
5-6	.1	.1	.2	.0	.0	.0	.4
7	.0	.0	.0	.1	.0	.0	.1
8-9	.0	.0	.3	.1	.0	.0	.4
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	4.8	2.3	.5	.0	.0	8.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.3	.0	.0	.0	.0	.3
1-2	.1	1.7	.0	.0	.0	.0	1.9
3-4	.0	.3	.2	.0	.0	.0	.5
5-6	.0	.0	.2	.0	.0	.0	.2
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	2.4	.4	.0	.0	.0	2.9

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.3	.0	.0	.0	.0	.5
1-2	.3	1.6	.6	.0	.0	.0	2.6
3-4	.0	.5	.8	.0	.0	.0	1.3
5-6	.1	.0	.7	.2	.0	.0	.9
7	.0	.0	.4	.1	.0	.0	.5
8-9	.0	.0	.3	.1	.0	.0	.4
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	2.4	2.8	.4	.0	.0	6.3

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	*	.6	.0	.0	.0	.0	.7	
1-2	.6	4.1	.6	.0	.0	.0	5.3	
3-4	.0	.5	.9	.0	.0	.0	1.4	
5-6	.0	.0	.3	.1	.0	.0	.3	
7	.0	.0	*	.3	.0	.0	.3	
8-9	.0	.0	.2	.2	.0	.0	.4	
10-11	.0	.0	.1	.1	.0	.0	.3	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.6	5.2	2.2	.6	.0	.0	8.6	95.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	9.4	7.0	.5	.0	.0	.0	16.8	
1-2	4.8	29.8	9.5	.0	.0	.0	44.1	
3-4	.3	11.9	13.5	.4	.0	.0	26.1	
5-6	.2	.4	5.5	.5	.0	.0	6.7	
7	.0	.2	2.6	.7	.2	.0	3.6	
8-9	.0	.2	1.3	.8	.0	.0	2.2	
10-11	.0	.0	.1	.1	.0	.0	.3	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.2	.0	.0	.0	.2	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	14.7	49.4	33.1	2.6	.2	.0	100.0	669

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.3	12.2	13.3	6.8	1.5	1.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	278	3
6-7	.0	2.2	8.3	9.3	3.9	1.7	1.8	.2	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	202	5
8-9	.0	.9	3.1	3.8	3.3	1.9	1.1	.5	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	113	6
10-11	.0	.5	.9	.6	1.0	.3	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	6
12-13	.0	.0	1.7	.4	.1	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	5
>13	.0	.0	.0	.2	.1	.3	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	6	11
INDET	3.8	1.7	2.7	2.3	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	84	3
TOTAL																				731	4
PCT	6.1	17.6	30.0	23.4	10.3	6.1	3.4	1.0	1.7	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1910-1978
(OVER-ALL) 1857-1978

AREA 0005 SOLOMON ISLANDS NE
8.6S 160.7E

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
98+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	2	.1
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	2	.1
91/92	.0	.0	.7	.0	.0	.0	.0	.6	.0	.7	1.0	.7	6	.4
89/90	.0	1.7	1.4	.8	1.8	.9	1.0	.0	1.2	3.4	1.4	3.0	23	1.4
87/88	19.5	9.2	21.0	12.8	9.0	6.1	2.0	2.6	1.2	3.4	10.6	13.6	148	9.1
85/86	53.4	36.5	53.9	45.4	49.5	45.2	26.5	17.5	30.7	18.6	32.2	48.9	605	37.3
83/84	24.3	47.1	18.9	27.7	30.6	35.9	42.9	50.6	39.6	39.3	36.1	17.8	551	33.9
81/82	6.8	3.4	2.1	8.5	7.2	11.3	16.3	24.7	23.9	29.0	15.4	8.9	225	13.9
79/80	.0	3.4	.0	3.8	.9	2.6	7.1	1.3	6.7	3.4	2.4	.7	44	2.7
77/78	.0	.8	.0	.0	.9	.0	3.1	1.9	.6	.7	.5	.7	12	.7
75/76	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.7	2	.1
73/74	.0	.0	.0	.0	.0	.0	.0	.6	.0	.7	.5	.0	3	.2
71/72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	1	.1
69/70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
67/68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
65/66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
63/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	103	119	143	130	111	113	98	154	163	149	208	135	1624	100.0
MEAN	85.1	84.3	85.6	84.8	84.7	84.3	83.4	83.3	83.6	83.4	84.2	85.3	84.3	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1009		1008	1008	1009	1008	1006	1010	1009	125
FEB	1008	1006	1007	1009	1008	1007	1006	1007	1008	122
MAR	1008		1006	1008	1009	1009	1008	1009	1008	144
APR	1009	1008	1007	1009	1010	1008	1007	1010	1009	118
MAY	1011	1009	1008	1008	1009	1011	1009	1010	1009	128
JUN	1011		1010	1011	1010		1010	1012	1011	127
JUL	1011		1009	1012	1010	1010	1009	1012	1011	97
AUG	1010	1009	1009	1010	1012	1009	1011	1011	1010	172
SEP	1012		1009	1010	1012	1008	1009	1010	1010	165
OCT	1012	1012	1010	1011	1012	1012	1010	1010	1011	118
NOV	1010	1004	1007	1008	1010	1006	1009	1009	1009	171
DEC	1009		1008	1008	1008		1009	1009	1008	124
ANN	1010	1008	1008	1009	1010	1009	1009	1010	1009	1603
OBS	238	11	243	416	183	22	178	317		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	996	998	1004	1006	1008	1011	1013	1020	1021
FEB	1002	1002	1003	1006	1007	1009	1013	1015	1024
MAR	999	999	1002	1006	1008	1010	1013	1016	1019
APR	1000	1000	1003	1007	1009	1011	1014	1019	1021
MAY	998	1000	1004	1008	1010	1011	1013	1013	1016
JUN	1003	1003	1006	1009	1011	1012	1014	1023	1024
JUL	1003	1003	1007	1009	1010	1011	1020	1020	1021
AUG	1001	1004	1006	1009	1010	1011	1016	1021	1023
SEP	997	1001	1004	1008	1010	1012	1013	1022	1024
OCT	998	1001	1007	1009	1011	1013	1015	1017	1018
NOV	1001	1002	1004	1007	1009	1010	1012	1014	1015
DEC	996	997	1002	1006	1008	1009	1014	1017	1018

JANUARY

PERIOD: (PRIMARY) 1963-1978
(OVER-ALL) 1895-1978

AREA 0006 SOLOMON ISLANDS SW
8.9S 159.4E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER PRIN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	8.2	5.0	2.5	.0	.0	.0	.0	19.7	.0	3.8	.0	.0	2.5		.0	78.0
NE	.7	.0	.0	.0	.0	.0	.0	.7	.0	2.7	.0	.0	.0		.0	96.6
E	6.0	.0	.0	.0	.0	.0	.0	6.0	.0	.0	.0	.0	.0		.0	94.0
SE	7.6	2.3	2.3	.0	.0	.0	.0	12.7	.0	3.1	.0	.0	.0		.0	84.7
S	5.8	.0	.0	.0	.0	.0	.0	5.8	.0	3.3	.0	.0	.0		.0	90.9
SW	7.8	2.8	.0	.0	.0	.0	.0	10.6	1.4	1.8	.0	.0	.0		.0	87.6
W	12.7	7.5	.0	.0	.0	.0	.0	20.2	.0	6.2	.0	.0	1.4		.0	72.3
NW	24.4	3.3	2.7	.0	.0	.0	.0	30.4	.0	1.0	.0	.0	.0		.0	68.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	4.5	1.3	1.5	.0	.0	.0	.0	7.5	.0	1.8	.0	.0	.0		.0	91.0
TOT PCT	10.0	3.0	1.1	.0	.0	.0	.0	14.1	.2	2.8	.0	.0	.4		.0	82.9
TOT OBS:	461															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER PRIN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	27.8	5.6	.0	.0	.0	.0	.0	33.3	.0	5.6	.0	.0	.0		.0	61.1
06&09	12.4	3.7	2.3	.0	.0	.0	.0	18.3	.0	3.8	.0	.0	.9		.0	77.5
12&15	8.3	8.3	.0	.0	.0	.0	.0	16.7	8.3	16.7	.0	.0	.0		.0	58.3
18&21	5.5	1.7	.0	.0	.0	.0	.0	7.2	.4	2.6	.0	.0	.0		.0	90.6
TOT PCT	9.5	2.9	1.0	.0	.0	.0	.0	13.5	.4	3.8	.0	.0	.4		.0	82.6
TOT OBS:	483															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	5.1	2.7	.7	.0	.0	.0		8.5	4.3	13.2	.0	16.2	8.7	7.5	.0	5.0	7.1
NE	5.4	2.6	.1	.0	.0	.0		8.1	3.4	2.9	.0	11.0	7.7	.0	.0	17.5	7.8
E	3.6	2.8	.2	.0	.0	.0		6.6	4.3	11.8	.0	2.2	5.7	17.5	.0	2.5	7.6
SE	5.6	2.7	.2	.0	.0	.0		8.5	3.6	5.9	.0	2.9	10.6	12.5	.0	10.0	7.4
S	4.6	2.2	.0	.0	.0	.0		6.8	3.0	8.8	.0	2.9	5.8	7.5	.0	10.0	7.8
SW	7.2	6.5	.9	.1	.2	.0		14.9	5.1	22.1	.0	19.1	10.4	22.5	.0	20.0	10.9
W	6.7	7.6	.8	.3	.2	.0		15.7	5.7	10.3	100.0	13.2	21.7	7.5	.0	12.5	11.4
NW	6.7	6.5	2.9	.4	.0	.0		16.6	6.7	19.1	.0	23.5	17.2	15.0	.0	22.5	14.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	14.3							14.3	.0	5.9	.0	8.8	12.2	10.0	.0	.0	19.6
TOT OBS	281	160	28	4	2	0	475		4.2	17	1	34	189	10	0	20	204
TOT PCT	59.2	33.7	5.9	.8	.4	.0		100.0		100.0	100.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	6.9	1.6	.0	.0	.0		8.5	4.3	12.5	9.9	7.5	6.9
NE	7.3	.8	.0	.0	.0		8.1	3.4	2.8	8.2	.0	8.7
E	5.2	1.4	.0	.0	.0		6.6	4.3	11.1	5.2	17.5	7.1
SE	7.6	.8	.2	.0	.0		8.5	3.6	5.6	9.4	12.5	7.6
S	6.4	.2	.0	.0	.0		6.8	3.0	8.3	5.4	7.5	8.0
SW	12.1	2.5	.0	.3	.0		14.9	5.1	20.8	11.8	22.5	17.2
W	11.7	3.4	.3	.3	.0		15.7	5.7	13.3	20.4	7.5	11.5
NW	10.6	4.9	.9	.2	.0		16.6	6.7	18.1	18.2	15.0	15.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	14.3						14.3	.0	5.6	11.7	10.0	17.9
TOT OBS	291	73	7	4	0	475		4.2	18	223	10	224
TOT PCT	82.3	15.4	1.5	.8	.0		100.0		100.0	100.0	100.0	100.0

JANUARY

PERIOD: (PRIMARY) 1943-1978
(OVER-ALL) 1899-1978

AREA 0006 SOLOMON ISLANDS SW
8.9S 159.4E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&06	5.6	11.1	61.1	22.2	.0	.0	.0	8.0	100.0	18
06&09	11.7	46.2	34.5	5.8	1.3	.4	.0	4.4	100.0	223
12&15	10.0	10.0	60.0	20.0	.0	.0	.0	7.5	100.0	10
18&21	17.9	47.8	29.5	4.0	.4	.4	.0	3.9	100.0	224
TOT	68	213	180	28	4	2	0	4.2		475
PCT	14.3	44.8	37.7	5.9	.8	.4	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.1	.0	6.8	.0		8.2
NE	.0	.0	1.1	.6		7.3
E	.0	.0	4.0	4.0		8.7
SE	2.3	.0	9.1	.0		8.0
S	4.0	6.0	.0	1.7		8.7
SW	.6	7.4	6.8	9.7		9.3
W	.0	4.5	2.3	1.7		8.3
NW	3.4	.0	9.7	20.9		8.8
VAR	.0	.0	.0	.0		.0
CALM	2.3	4.5	.0	.0		3.3
TOT OBS	6	9	14	15	44	8.7
TOT PCT	13.6	20.5	31.8	34.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,HH >4/8) AND OCCURRENCE OF HH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	HH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0	4.5	
NE	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	1.1	
E	.0	.0	.0	1.7	.0	2.3	2.3	.0	.0	.0	1.7	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.4	
S	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	8.0	
SW	2.3	.0	.0	3.7	.0	.0	.0	.0	.0	.0	12.5	
W	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	0.8	
NW	.0	.0	0.8	3.7	2.3	2.3	.0	.0	.0	.0	12.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	
TOT OBS	1	0	1	9	1	2	1	0	0	0	27	44
TOT PCT	2.3	.0	0.8	20.9	2.3	4.5	2.3	.0	.0	.0	61.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (HH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) • OR >10	• OR >5	• OR >2	• OR >1	• OR >1/2	• OR >1/4	• OR >BOYD	• OR >0
• OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
• OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
• OR >3500	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
• OR >2000	2.0	4.1	6.1	6.1	6.1	6.1	6.1	6.1
• OR >1000	4.1	6.1	8.2	8.2	8.2	8.2	8.2	8.2
• OR >600	10.2	20.4	24.5	26.5	26.5	26.5	26.5	26.5
• OR >300	14.3	26.5	30.6	32.7	32.7	32.7	32.7	32.7
• OR >150	14.3	26.5	30.6	32.7	32.7	32.7	32.7	32.7
• OR > 0	16.3	28.6	32.7	34.7	34.7	34.7	34.7	34.7
TOTAL	8	14	16	17	17	17	17	17

TOTAL NUMBER OF OBS: 49 PCT FREQ HH <5/8: 65.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
1.8	7.3	21.8	10.2	16.4	9.5	1.8	9.9	21.8	.0	55

JANUARY

PERIOD: (PRIMARY) 1963-1978
(OVER-ALL) 1895-1978

TABLE 8

AREA 0006 SOLOMON ISLANDS SW
8.9S 159.4E

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
1<2	PCP	.0	.1	.2	.0	.2	.2	.2	.1	.0	.0	.9	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.1	.2	.0	.2	.2	.2	.1	.0	.0	.9	
2<5	PCP	.4	.0	.2	.0	.2	.1	.8	1.4	.0	.0	3.0	
	NO PCP	.9	.4	.9	1.1	.2	1.3	.7	.4	.0	.4	6.3	
	TOT %	1.2	.4	1.1	1.1	.4	1.4	1.5	1.8	.0	.4	9.3	
5<10	PCP	.6	.0	.0	.7	.0	.7	1.2	2.1	.0	.7	5.9	
	NO PCP	2.0	3.4	1.7	1.2	1.6	4.4	4.9	2.7	.0	3.5	25.4	
	TOT %	2.6	3.4	1.7	1.9	1.6	5.1	6.1	4.8	.0	4.1	31.2	
10+	PCP	.4	.0	.0	.4	.0	.7	1.0	.9	.0	.4	3.9	
	NO PCP	4.4	4.2	3.4	5.1	4.4	8.0	7.0	8.2	.0	9.5	54.2	
	TOT %	4.8	4.2	3.4	5.5	4.4	8.7	8.1	9.1	.0	10.0	58.1	
	TOT OBS												461
	TOT PCT	8.6	8.0	6.3	8.5	6.6	15.3	15.8	16.2	.0	14.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.2	.0	.0	.0	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.2	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.2	.0	.0	.2	.0	.0	.4	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.2	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.2	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4	
1<2	0-3	.2	.1	.0	.2	.4	.2	.4	.1	.0	.0	1.5	
	4-10	.0	.3	.2	.0	.0	.0	.0	.2	.0		.6	
	11-21	.0	.0	.0	.0	.0	.0	.2	.1	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.2	.3	.2	.2	.4	.2	.5	.3	.0	.0	2.3	
2<5	0-3	.4	.4	.6	.4	.2	.8	.2	.8	.0	.4	4.4	
	4-10	.8	.0	.4	.4	.2	.5	1.2	.7	.0		4.2	
	11-21	.0	.0	.0	.2	.0	.0	.0	.2	.0		.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.2	.4	1.1	1.1	.4	1.3	1.4	1.8	.0	.4	9.1	
5<10	0-3	1.8	1.4	.6	1.1	1.0	2.0	2.4	1.2	.0	4.0	15.4	
	4-10	.3	1.8	1.1	.7	.9	2.5	2.9	2.4	.0		12.3	
	11-21	.4	.1	.0	.0	.0	.2	.1	.7	.0		1.5	
	22+	.0	.0	.0	.0	.0	.3	.5	.4	.0		1.3	
	TOT %	2.5	3.3	1.6	1.8	1.5	5.0	6.0	4.7	.0	4.0	30.4	
10+	0-3	2.7	3.3	2.4	3.9	3.0	4.2	3.8	4.3	.0	9.9	37.6	
	4-10	1.6	.5	1.2	1.5	1.3	3.6	3.5	3.0	.0		16.3	
	11-21	.3	.1	.2	.0	.0	.7	.6	1.6	.0		3.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	4.7	4.1	3.8	5.4	4.3	8.5	7.9	8.9	.0	9.9	57.3	
	TOT OBS												473
	TOT PCT	8.6	8.1	6.6	8.9	6.8	15.0	15.8	16.3	.0	14.4	100.0	

JANUARY

PERIOD: (PRIMARY) 1963-1978
(OVER-ALL) 1895-1978

AREA 000, SOLOMON ISLANDS SW
8.9S 159.4E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	5.9	23.5	5.9	5.9	5.9	.0	.0	.0	47.1	52.9	17
06&09	.0	.0	6.7	13.3	.0	6.7	.0	.0	.0	.0	26.7	73.3	15
12&15	.0	.0	10.0	20.0	.0	.0	.0	.0	.0	.0	30.0	70.0	10
18&21	9.1	.0	.0	9.1	.0	.0	.0	.0	.0	.0	18.2	81.8	11
TOT	1	0	3	9	1	2	1	0	0	0	17	36	53
PCT	1.9	.0	5.7	17.0	1.9	3.8	1.9	.0	.0	.0	32.1	67.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	5.6	22.2	72.2	18
06&09	.9	.9	4.4	18.9	50.7	24.2	227
12&15	.0	.0	.0	.0	33.3	66.7	12
18&21	.0	.0	.4	.0	14.2	85.4	239
TOT	2	2	11	44	157	280	496
PCT	.4	.4	2.2	8.9	31.7	56.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	5.9	29.4	17.6	52.9	17
06&09	.0	7.1	28.6	.0	71.4	14
12&15	.0	10.0	30.0	.0	70.0	10
18&21	12.5	12.5	25.0	.0	75.0	8
TOT	1	4	14	3	32	49
PCT	2.0	8.2	28.6	6.1	65.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.3	.0	.0	.0	.0	1	.3
90/94	.0	.0	.0	.0	.5	.3	.3	.3	3	1.3
85/89	.0	.0	.0	.3	1.3	11.1	13.9	4.8	126	31.2
80/84	.0	.0	.0	.0	.3	4.0	29.7	24.9	234	58.9
75/79	.0	.0	.0	.0	.0	.3	1.8	6.0	32	8.1
70/74	.0	.0	.0	.0	.0	.0	.0	.3	1	.3
TOTAL	0	0	0	2	8	62	181	144	397	100.0
PCT	.0	.0	.0	.5	2.0	15.6	45.6	36.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
.0	.1	.6	.1	.0	.0	.0	.0	.0	.3
3.7	3.3	2.3	3.0	.8	3.5	6.7	5.0	.0	3.0
4.8	3.7	3.6	5.4	5.7	8.4	7.1	11.5	.0	8.8
.3	.6	.4	1.0	.5	1.3	1.3	.8	.0	2.0
.0	.0	.0	.0	.0	.3	.0	.0	.0	.0
8.7	7.6	7.2	9.4	7.0	13.4	15.1	17.3	.0	14.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	89	88	88	82	74	74	74	82.9	18
06&09	90	89	88	84	79	77	77	83.9	228
12&15	86	85	85	83	80	80	80	83.9	12
18&21	97	95	88	82	78	76	76	82.7	241
TOT	97	90	88	83	78	77	74	83.3	499

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	7.1	42.9	35.7	14.3	80	14
06&09	.0	.5	2.1	18.0	48.1	31.2	85	189
12&15	.0	.0	.0	27.3	63.6	9.1	82	11
18&21	.0	.5	2.1	11.4	42.0	44.0	87	193
TOT	0	2	8	65	184	147	86	407

PERIOD: (PRIMARY) 1943-1978
(OVER-ALL) 1895-1978

TABLE 17

AREA 0006 SOLOMON ISLANDS SW
8.9S 159.4E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
5	.0	.0	.0	.0	.4	1	.0	.4
4	.0	.0	.9	.9	.9	6	.0	2.6
3	.0	.0	.4	.4	.0	2	.0	.9
2	.0	.0	1.3	3.0	.0	10	.0	4.3
1	.0	.0	1.3	2.1	.4	9	.0	3.8
0	.0	.0	6.0	6.8	.0	30	.0	12.8
-1	.0	2.6	6.0	8.1	.0	39	.0	16.6
-2	.0	1.3	10.2	1.7	.0	31	.0	13.2
-3	.0	1.3	8.9	1.3	.0	27	.0	11.5
-4	.0	3.0	7.7	.0	.0	25	.0	10.6
-5	.0	5.1	4.3	.0	.0	22	.0	9.4
-6	.0	3.0	3.4	.0	.0	15	.0	6.4
-7/-8	.4	3.8	2.1	.0	.0	15	.0	6.4
-9/-10	.4	.4	.0	.0	.0	2	.0	.9
-11/-13	.4	.0	.0	.0	.0	1	.0	.4
TOTAL	3		123		4		0	235
		48		57		235		
PCT	1.3	20.4	52.3	24.3	1.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.9	1.9	.0	.0	.0	.0	3.8
1-2	.0	2.6	.0	.0	.0	.0	2.6
3-4	.0	3.8	.0	.0	.0	.0	3.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.9	8.3	.0	.0	.0	.0	10.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	.6	.0	.0	.0	.0	1.3
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.6	.0	.0	.0	.0	.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	1.3	.0	.0	.0	.0	1.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.6	.0	.0	.0	.0	2.6
1-2	.0	4.5	.0	.0	.0	.0	4.5
3-4	.0	4.5	.0	.0	.0	.0	4.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	11.5	.0	.0	.0	.0	11.5

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.6	2.6	.0	.0	.0	.0	5.1
1-2	2.6	.6	.0	.0	.0	.0	3.2
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	5.1	3.2	.0	.0	.0	.0	8.3

PERIOD: (OVER-ALL) 1963-1978

JANUARY

AREA 0006 SOLOMON ISLANDS SW
8.9S 159.4E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	5.1	.0	.0	.0	.0	5.1	.0	2.6	.0	.0	.0	.0	2.6
1-2	1.9	1.9	.0	.0	.0	.0	3.8	.6	8.3	2.6	.0	.0	.0	11.5
3-4	.0	.0	.0	.0	.0	.0	.0	.0	5.1	2.6	.0	.0	.0	7.7
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	1.9	.0	.0	.0	.0	1.9	.0	.6	.0	.0	.0	.0	.6
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.9	9.0	.0	.0	.0	.0	10.9	.6	16.7	5.1	.0	.0	.0	22.4

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	2.6	.0	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	4.5	.0	.0	.0	.0	4.5	.0	.6	2.6	.0	.0	.0	3.2	
3-4	.0	2.6	.0	.0	.0	.0	2.6	.0	6.4	.0	.0	.0	.0	6.4	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	2.6	.0	.0	7.7	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	9.6	.0	.0	.0	.0	9.6	.0	7.1	7.7	2.6	.0	.0	17.3	92.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	19.0	16.7	.0	.0	.0	.0	35.7	
1-2	4.8	21.4	4.8	.0	.0	.0	31.0	
3-4	.0	21.4	2.4	.0	.0	.0	23.8	
5-6	.0	.0	4.8	2.4	.0	.0	7.1	
7	.0	2.4	.0	.0	.0	.0	2.4	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								42
TOT PCT	23.8	61.9	11.9	2.4	.0	.0	100.0	

PERIOD: (OVER-ALL) 1954-1978

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.1	19.1	21.3	2.1	4.3	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	44	3
6-7	.0	.0	8.5	12.8	2.1	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	5
8-9	.0	.0	2.1	2.1	2.1	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	6
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	8.5	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	1
TOTAL	5	9	17	8	5	1	2	0	0	0	0	0	0	0	0	0	0	0	0	47	4
PCT	10.6	19.1	36.2	17.0	10.6	2.1	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1944-1978
(OVER-ALL) 1887-1978

AREA 0006 SOLOMON ISLANDS SW
9.0S 159.6E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	7.0	3.1	.0	.0	.0	.0	.0	10.1	.0	4.4	.0	.0	.0		.0	85.5
NE	4.5	3.0	1.5	.0	.0	.0	.0	9.1	1.5	1.5	.0	.0	.0		.0	87.9
E	10.9	2.1	.0	.0	.0	.0	.0	13.0	.0	1.6	.0	.0	.0		.0	85.5
SE	6.5	1.4	2.9	.0	.0	.0	.0	10.8	1.4	.4	.0	.0	1.4		.0	86.0
S	5.3	.0	.0	.0	.0	.0	.0	5.3	.0	4.3	.0	.0	1.9		.0	89.4
SW	20.4	6.9	1.5	.0	.0	.0	.0	28.8	.4	1.5	.0	.0	.0		.0	70.0
W	6.7	1.6	3.5	.0	.0	.0	.0	11.8	1.0	2.2	.0	.0	.0		.0	86.3
NW	15.9	1.2	2.9	.0	.0	.0	.0	20.1	.0	4.9	.0	.0	.0		.0	75.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	5.3	4.0	5.3	.0	.0	.0	.0	14.7	.0	2.7	.0	.0	.0		.0	82.7
TOT PCT	9.6	2.6	2.2	.0	.0	.0	.0	14.4	.3	2.7	.0	.0	.3		.0	82.4
TOT OBS:	624															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	5.0	.0	.0	.0	.0	.0	.0	5.0	5.0	.0	.0	.0	.0		.0	90.0
06609	13.9	2.0	2.0	.0	.0	.0	.0	18.0	.5	4.7	.0	.0	.0		.0	77.6
12615	10.0	10.0	.0	.0	.0	.0	.0	20.0	5.0	10.0	.0	.0	.0		.0	65.0
18621	5.2	2.9	2.6	.0	.0	.0	.0	10.8	.0	.7	.0	.0	1.0		.0	87.6
TOT PCT	9.4	2.7	2.2	.0	.0	.0	.0	14.2	.5	2.8	.0	.0	.5		.0	82.4
TOT OBS:	641															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	5.8	2.8	.3	.1	.0	.0		9.0	3.8	23.5	.0	.0	10.7	4.4	50.0	.0	7.6
NE	6.9	3.0	.3	.2	.0	.0		10.4	3.8	1.5	.0	21.3	13.1	1.5	.0	.0	8.7
E	5.1	2.4	.1	.0	.0	.0		7.6	3.2	3.9	.0	3.8	6.4	14.7	.0	.0	9.0
SE	6.4	4.0	.5	.0	.0	.0		10.9	3.8	11.8	12.5	15.0	7.0	7.4	.0	10.0	14.5
S	4.6	3.6	.1	.0	.0	.0		8.3	3.5	.0	37.5	12.5	6.7	4.4	.0	.0	10.4
SW	6.2	4.0	.3	.2	.0	.0		10.7	4.2	3.9	.0	17.5	11.0	14.7	.0	20.0	9.7
W	5.6	5.5	1.2	.2	.0	.0		12.6	5.2	16.2	50.0	18.8	13.3	22.1	50.0	30.0	9.6
NW	9.9	6.8	1.4	.3	.0	.0		18.5	4.9	17.6	.0	11.3	20.0	19.1	.0	30.0	17.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	12.1							12.1	.0	17.6	.0	.0	11.7	11.8	.0	10.0	13.1
TOT OBS	405	208	28	6	0	0	647		3.7	17	2	20	281	17	2	10	298
TOT PCT	62.6	32.1	4.3	.9	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	7.9	1.0	.1	.0	.0		9.0	3.8	21.1	10.0	9.2	7.4
NE	9.4	.9	.2	.0	.0		10.4	3.8	1.3	13.6	1.5	8.4
E	7.1	.5	.0	.0	.0		7.6	3.2	5.3	6.2	13.2	8.7
SE	9.7	1.0	.2	.0	.0		10.9	3.8	11.8	7.6	6.6	14.4
S	8.0	.3	.0	.0	.0		8.3	3.5	3.9	7.1	3.9	10.1
SW	9.8	.9	.2	.2	.0		10.7	4.2	5.3	11.8	13.2	10.1
W	9.4	2.0	.2	.0	.0		12.6	5.2	19.7	13.7	25.0	10.2
NW	15.0	2.7	.7	.2	.0		18.5	4.9	15.8	19.4	17.1	17.8
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	12.1						12.1	.0	15.8	11.0	10.5	13.0
TOT OBS	369	67	9	2	0	647		3.7	19	301	19	308
TOT PCT	87.9	10.4	1.4	.3	.0		100.0		100.0	100.0	100.0	100.0

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PERIOD: (PRIMARY) 1944-1978
(OVER-ALL) 1887-1978

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00603	15.8	10.5	31.6	36.8	5.3	.0	.0	7.9	100.0	19
06609	11.0	53.5	31.6	3.3	.7	.0	.0	3.5	100.0	301
12615	10.5	5.3	57.9	21.1	5.3	.0	.0	8.3	100.0	19
18621	13.0	52.9	31.2	2.8	.6	.0	.0	3.3	100.0	308
TOT	76	327	208	28	6	0	0	3.7		647
PCT	12.1	50.5	32.1	4.3	.9	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.8	.0	4.4	1.3		5.5
NE	.0	.0	5.7	2.2		7.0
E	.0	.0	1.3	4.8		7.5
SE	1.8	3.5	4.4	1.8		5.1
S	.0	1.3	3.1	.0		6.1
SW	.0	3.9	3.9	.0		5.1
W	3.1	.9	11.4	7.9		5.8
NW	.4	4.4	9.6	6.6		6.4
VAR	.0	.0	.0	.0		.0
CALM	1.8	5.3	1.8	1.8		4.8
TOT OBS	5	11	26	15	57	5.9
TOT PCT	8.8	19.3	45.6	26.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	2.6	.0	.0	.0	.0	.0	4.8	
NE	.0	.0	.0	.4	2.2	.0	.0	.0	.0	.0	3.3	
E	.0	.0	.0	4.8	.0	.0	.0	.0	.0	.0	1.3	
SE	.0	1.8	.0	.0	.0	1.8	.0	.0	.0	.0	7.9	
S	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	2.6	
SW	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	7.5	
W	.0	1.3	3.1	5.3	4.4	.0	1.8	.0	.0	.0	7.5	
NW	.0	.4	.4	7.0	4.4	.0	.0	.0	.0	.0	8.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.5	
TOT OBS	0	2	2	10	9	1	1	0	0	0	32	57
TOT PCT	.0	3.5	3.5	17.5	15.8	1.8	1.8	.0	.0	.0	56.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >5OYD	* OR >0
* OR >6300	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
* OR >2000	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
* OR >1000	13.1	16.4	19.7	19.7	19.7	19.7	19.7	19.7
* OR >600	24.6	31.1	37.7	37.7	37.7	37.7	37.7	37.7
* OR >300	24.6	34.4	41.0	41.0	41.0	41.0	41.0	41.0
* OR >150	27.9	37.7	44.3	44.3	44.3	44.3	44.3	44.3
* OR > 0	27.9	37.7	44.3	44.3	44.3	44.3	44.3	44.3
TOTAL	17	23	27	27	27	27	27	27

TOTAL NUMBER OF OBS: 61 PCT FREQ NH <5/8: 55.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
1.5	12.3	13.8	13.8	13.8	13.8	7.7	3.1	20.0	.0	65

PERIOD: (PRIMARY) 1946-1978
(OVER-ALL) 1887-1978

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
1/2<1	PCP	.0	.2	.0	.2	.0	.3	.0	.3	.0	.0	1.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.2	.0	.2	.0	.3	.0	.3	.0	.0	1.0	
1<2	PCP	.0	.0	.3	*	.2	.2	.0	.2	.0	.0	.8	
	NO PCP	.1	.0	.0	.0	.0	.0	.0	.2	.0	.0	.3	
	TOT %	.1	.0	.3	*	.2	.2	.0	.4	.0	.0	1.1	
2<5	PCP	.2	.2	.0	.0	.0	.3	.2	.7	.0	.3	1.9	
	NO PCP	.4	2.0	.4	.6	.6	.4	.6	1.3	.0	.5	6.9	
	TOT %	.7	2.2	.4	.6	.6	.7	.7	2.0	.0	.8	8.8	
5<10	PCP	.2	.4	.2	.5	.2	1.0	.9	1.0	.0	.8	5.1	
	NO PCP	1.6	2.9	2.5	2.1	2.0	2.0	3.6	3.9	.0	5.0	25.2	
	TOT %	1.9	3.3	2.7	2.6	2.2	3.0	4.5	4.9	.0	5.8	30.3	
10+	PCP	.4	.1	.6	.5	.1	1.2	.4	1.9	.0	.6	5.5	
	NO PCP	6.0	4.8	3.8	7.2	5.2	5.1	6.7	9.8	.0	4.8	53.1	
	TOT %	6.4	4.9	4.3	7.7	5.3	6.3	7.1	11.0	.0	5.5	58.6	
	TOT OBS												623
	TOT PCT	9.1	10.6	7.7	11.2	8.3	10.4	12.4	18.2	.0	12.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.2	.0	.0	.0	.0	.0	.0	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
1/2<1	0-3	.0	.0	.0	.2	.3	.3	.0	.2	.0	.0	.9	
	4-10	.0	.2	.0	.0	.0	.2	.2	.2	.0		.6	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.2	.0	.0	.0		.2	
	TOT %	.0	.2	.0	.2	.3	.6	.2	.3	.0	.0	1.7	
1<2	0-3	.0	*	.4	.2	.2	.2	.2	.5	.0	.3	1.9	
	4-10	.2	.0	.0	.0	.0	.0	.0	.2	.0		.5	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.2	*	.4	.2	.2	.2	.2	.7	.0	.3	2.3	
2<5	0-3	.3	1.8	.4	.5	.3	.5	.3	1.1	.0	.8	5.9	
	4-10	.3	.4	.0	.2	.3	.2	.2	.8	.0		2.2	
	11-21	.0	.0	.0	.0	.0	.0	.3	*	.0		.3	
	22+	.1	.0	.0	.0	.0	.0	.0	*	.0		.2	
	TOT %	.7	2.1	.4	.8	.6	.7	.7	2.0	.0	.8	8.6	
5<10	0-3	1.3	2.7	2.0	1.4	1.0	2.0	1.8	2.0	.0	3.6	19.7	
	4-10	.4	.4	.6	1.1	1.1	.9	2.2	1.8	.0		8.4	
	11-21	.2	.0	.0	.0	.1	.2	.4	.5	.0		1.4	
	22+	.0	.2	.0	.0	.0	.0	.0	.0	.0		.2	
	TOT %	1.8	3.2	2.6	2.5	2.1	3.0	4.4	4.3	.0	3.6	29.7	
10+	0-3	4.3	2.5	2.3	4.3	2.9	3.1	3.5	6.3	.0	3.3	34.5	
	4-10	1.8	2.0	1.8	2.8	2.3	2.9	2.9	3.6	.0		20.0	
	11-21	.2	.4	.1	.5	.0	.2	.5	.7	.0		2.5	
	22+	.0	.0	.0	.0	.0	.0	.2	.3	.0		.5	
	TOT %	6.3	4.9	4.2	7.5	5.2	6.1	7.1	10.9	.0	3.3	57.5	
	TOT OBS												640
	TOT PCT	9.0	10.5	7.7	11.0	8.4	10.6	12.5	18.2	.0	12.0	100.0	

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PERIOD: (PRIMARY) 1944-1978
(OVER-ALL) 1867-1978

TABLE 10

AREA 0006 SOLOMON ISLANDS SW
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PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >6/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.0	11.1	.0	11.1	22.2	.0	.0	.0	.0	.0	44.4	55.6	18
06&09	.0	.0	.0	15.8	15.8	5.3	5.3	.0	.0	.0	42.1	57.9	19
12&15	.0	.0	5.6	27.8	11.1	.0	.0	.0	.0	.0	44.4	55.6	18
18&21	.0	.0	12.5	12.5	12.5	.0	.0	.0	.0	.0	37.5	62.5	8
TOT	0	2	2	11	10	1	1	0	0	0	27	34	63
PCT	.0	3.2	3.2	17.5	15.9	1.6	1.6	.0	.0	.0	42.9	57.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	5.0	95.0	20
06&09	.0	2.6	4.2	14.7	39.7	38.8	307
12&15	.0	.0	.0	15.0	20.0	65.0	20
18&21	.3	1.0	1.0	2.6	21.9	73.2	310
TOT	1	11	16	56	105	378	657
PCT	.2	1.7	2.4	8.5	29.7	57.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NM >6/8), BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <3	1000+ AND 3+	NM <5/8 AND 5+	TOTAL OBS
00&03	.0	11.1	22.2	22.2	55.6	18
06&09	.0	.0	23.5	23.5	52.9	17
12&15	.0	5.6	38.9	5.6	55.6	18
18&21	.0	12.5	25.0	12.5	62.5	8
TOT	0	4	17	10	34	61
PCT	.0	6.6	27.9	16.4	55.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.2	.0	.0	1	.2
90/94	.0	.0	.0	.0	.4	.6	.8	.8	13	2.6
85/89	.0	.0	.0	.2	.6	8.3	9.1	5.9	124	24.6
80/84	.0	.0	.2	.0	.2	8.1	29.7	27.1	300	59.4
75/79	.0	.0	.0	.0	.2	.6	1.0	11.1	65	12.9
70/74	.0	.0	.0	.0	.0	.2	.2	.0	2	.4
TOTAL	0	0	1	1	8	52	186	227	505	100.0
PCT	.0	.0	.2	.2	1.6	10.3	36.8	45.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
	.7	.4	.2	.0	.2	.0	.0	.2	.0	.8
	1.3	3.5	2.6	3.3	3.0	1.2	2.3	3.5	.0	3.0
	4.3	4.7	4.0	6.7	5.2	4.8	8.6	12.6	.0	8.3
	2.4	1.3	.2	.0	.5	3.3	1.3	2.1	.0	1.6
	.0	.0	.0	.0	.1	*	.0	.2	.0	.0
	9.3	10.3	7.0	10.0	9.1	9.3	12.4	18.6	.0	13.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	94	93	88	83	80	80	80	83.6	80
06&09	94	92	88	84	78	78	74	83.4	304
12&15	85	84	84	82	76	76	76	81.9	19
18&21	96	90	87	82	78	77	76	82.3	309
TOT	96	91	88	83	78	76	74	82.8	692

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	5.6	.0	61.1	33.3	.0	77	18
06&09	.0	.0	2.1	16.9	38.8	42.2	87	237
12&15	.0	.0	.0	31.1	68.4	10.5	83	19
18&21	.0	.4	1.2	15.6	33.3	51.4	88	243
TOT	0	2	6	86	192	227	87	517

FEBRUARY

PERIOD: (PRIMARY) 1944-1978
(OVER-ALL) 1887-1978

AREA 0006 SOLOMON ISLANDS SW
9.0S 159.6E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
9/10	.0	.0	.0	.0	.3	.0	1	.0	.3
9	.0	.0	.0	.3	.0	.0	1	.0	.3
4	.0	.0	.0	.3	.0	.0	1	.0	.3
3	.0	.0	.6	.9	.0	.3	6	.0	1.8
2	.0	.0	.9	.6	.0	.0	5	.0	1.5
1	.0	.0	1.8	4.9	.0	.0	22	.0	6.8
0	.0	.3	4.3	4.6	.0	.0	30	.0	9.2
-1	.0	.0	8.0	4.6	.0	.0	41	.0	12.6
-2	.0	.6	11.7	2.2	.0	.0	47	.0	14.5
-3	.0	2.2	10.2	2.2	.0	.0	47	.0	14.5
-4	.0	2.5	8.0	.3	.0	.0	36	.0	11.1
-5	.0	2.5	4.3	.0	.0	.0	22	.0	6.8
-6	.0	4.6	4.0	.9	.0	.0	31	.0	9.5
-7/-8	.3	3.5	1.2	.0	.0	.0	23	.0	7.1
-9/-10	.3	2.8	.3	.0	.0	.0	11	.0	3.4
-11/-13	.0	.3	.0	.0	.0	.0	1	.0	.3
TOTAL	2		100		1			0	329
		70		71		1	325		
PCT	.6	21.5	59.4	21.8	.3	.3	100.0		100.0

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.6	.0	.0	.0	.0	.0	1.6
1-2	.0	1.6	.0	.0	.0	.0	1.6
3-4	.0	.0	2.1	.0	.0	.0	2.1
5-6	.0	.0	2.1	.0	.0	.0	2.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
†OT PCT	1.6	1.6	4.2	.0	.0	.0	7.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.1	.0	.0	.0	.0	2.1
1-2	.0	1.6	2.1	.0	.0	.0	3.6
3-4	.0	2.1	.0	.0	.0	.0	2.1
5-6	.0	.0	.0	2.1	.0	.0	2.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
†OT PCT	2.1	5.2	.0	.0	.0	.0	7.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.1	.0	.0	.0	.0	.0	2.1
1-2	.0	3.1	.0	.0	.0	.0	3.1
3-4	.0	2.1	.0	.0	.0	.0	2.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
†OT PCT	2.1	5.2	.0	.0	.0	.0	7.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	2.1	.0	.0	.0	.0	2.6
1-2	.0	4.2	2.1	.0	.0	.0	6.3
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	2.1	.0	.0	.0	2.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
†OT PCT	.5	6.3	4.2	.0	.0	.0	10.9

PERIOD: (OVER-ALL) 1963-1978 FEBRUARY AREA 0006 SOLOMON ISLANDS S# 9.0S 159.6E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.6	2.1	.0	.0	.0	.0	3.6
1-2	.0	1.6	.0	.0	.0	.0	1.6
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	3.6	.0	.0	.0	.0	5.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.6	.0	.0	.0	.0	2.6
3-4	.0	4.2	2.1	.0	.0	.0	6.3
5-6	.0	.5	.0	.0	.0	.0	.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.3	2.1	.0	.0	.0	9.4

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.1	2.1	.0	.0	.0	.0	4.2
1-2	.0	1.6	.0	.0	.0	.0	1.6
3-4	.0	.0	3.1	.0	.0	.0	3.1
5-6	.0	1.6	6.3	2.1	.0	.0	9.9
7	.0	.0	1.6	.0	.0	.0	1.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.1	5.2	10.9	2.1	.0	.0	20.3

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.5	2.1	.0	.0	.0	.0	2.6	
1-2	.0	.5	4.2	.0	.0	.0	4.7	
3-4	.0	4.2	3.1	.0	.0	.0	7.3	
5-6	.0	.0	4.2	.0	.0	.0	4.2	
7	.0	.0	.5	.0	.0	.0	.5	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.5	6.8	12.0	.0	.0	.0	19.3	89.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	19.6	11.8	.0	.0	.0	.0	31.4	
1-2	2.0	19.7	7.8	.0	.0	.0	29.5	
3-4	.0	11.8	9.8	.0	.0	.0	21.6	
5-6	.0	2.0	13.7	3.9	.0	.0	19.6	
7	.0	.0	2.0	.0	.0	.0	2.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	21.6	41.2	33.3	3.9	.0	.0	100.0	51

PERIOD: (OVER-ALL) 1958-1978

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	10.7	17.9	19.6	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28	4
6-7	.0	.0	1.8	3.6	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	5
8-9	.0	1.8	1.8	7.1	5.4	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	6
10-11	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	11
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	14.3	5.4	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	1
TOTAL	8	10	13	18	5	0	1	1	0	0	0	0	0	0	0	0	0	0	0	56	4
PCT	14.3	17.9	23.2	32.1	8.9	.0	1.8	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1921-1977

AREA 0006 SOLOMON ISLANDS SW
9.0S 159.6E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	9.3	2.4	2.4	.0	.0	.0	.0	14.2	1.4	.7	.0	.0	1.7		.0	82.0
NE	8.8	.8	1.6	.0	.0	.0	.0	10.7	.0	.0	1.3	.0	.0		.0	87.9
E	11.5	4.2	3.6	.0	.0	.0	.0	19.3	.0	.0	.0	.0	2.1		.0	78.6
SE	8.1	1.8	.0	.0	.0	.0	.0	10.0	.0	.8	.0	.0	.0		.0	89.6
S	3.4	3.4	.0	.0	.0	.0	.0	6.7	.0	2.8	.0	.0	.0		.0	90.8
SW	4.3	.0	1.9	.0	.0	.0	.0	6.3	.0	.0	.0	.0	1.9		.0	91.8
W	27.5	5.3	2.7	.0	.0	.0	.0	35.5	.0	1.3	.0	.0	.8		.0	63.7
NW	12.8	2.4	3.4	.0	.0	.0	.0	18.6	1.0	1.4	.0	.0	2.2		.0	76.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	3.5	1.8	.0	.0	.0	.0	.0	5.3	.0	1.8	.0	.0	.0		.0	93.0
TOT PCT	10.7	2.8	2.0	.0	.0	.0	.0	15.0	.4	.9	.2	.0	1.1		.0	82.7
TOT OBS:	560															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	23.1	7.7	.0	.0	.0	.0	.0	30.8	.0	.0	.0	.0	7.7		.0	61.5
06&09	14.9	4.2	2.0	.0	.0	.0	.0	20.2	.4	1.6	.4	.0	.8		.0	76.6
12&15	31.3	.0	.0	.0	.0	.0	.0	31.3	6.3	.0	.0	.0	6.3		.0	56.3
18&21	5.1	1.7	2.1	.0	.0	.0	.0	8.9	.0	.0	.0	.0	.7		.0	90.4
TOT PCT	10.5	2.5	1.9	.0	.0	.0	.0	14.9	.4	.9	.2	.0	1.1		.0	82.8
TOT OBS:	569															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	6.8	5.3	.8	.0	.0	.0		12.9	4.3	29.3	.0	21.2	18.1	33.0	.0	17.5	10.4
NE	7.8	5.0	.4	.2	.0	.0		13.3	4.1	.0	.0	1.9	12.3	10.0	.0	.0	16.1
E	4.7	4.0	.1	.0	.0	.0		8.7	3.9	18.2	.0	7.7	8.9	5.0	.0	7.3	8.6
SE	6.3	3.6	.1	.0	.0	.0		10.0	3.2	.0	.0	1.9	10.2	1.7	.0	2.5	11.3
S	3.7	1.8	.1	.0	.0	.0		5.6	3.3	.0	.0	5.8	4.0	.0	.0	.6	7.9
SW	4.6	4.3	.3	.0	.2	.0		9.4	4.8	9.1	.0	7.7	7.9	.0	.0	10.0	11.4
W	4.9	4.0	1.1	.7	.9	.0		11.5	8.6	18.2	100.0	17.3	10.8	29.0	100.0	35.0	9.6
NW	7.7	9.5	.9	.2	.0	.0		18.4	4.8	13.9	.0	28.8	22.8	16.7	.0	17.5	14.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	10.1							10.1	.0	9.1	.0	7.7	10.3	6.7	.0	10.0	10.4
TOT OBS	330	218	23	6	6	0	583		4.3	11	1	13	252	15	1	10	280
TOT PCT	56.6	37.4	3.9	1.0	1.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	10.3	2.6	.0	.0	.0		12.9	4.3	27.1	19.5	32.8	10.4
NE	11.3	1.8	.2	.0	.0		13.3	4.1	.0	11.8	9.4	15.3
E	7.8	1.0	.0	.0	.0		8.7	3.9	16.7	8.9	4.7	8.5
SE	9.6	.4	.0	.0	.0		10.0	3.2	.0	9.8	1.4	11.0
S	5.4	.3	.0	.0	.0		5.6	3.3	.0	4.1	.0	7.6
SW	8.3	.8	.2	.2	.0		9.4	4.8	8.3	7.9	.0	11.4
W	8.2	1.2	.8	1.3	.0		11.5	8.6	25.0	10.9	29.7	10.5
NW	14.6	3.6	.1	.1	.0		18.4	4.8	14.6	22.9	15.6	14.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	10.1						10.1	.0	8.3	10.2	6.3	10.3
TOT OBS	490	88	7	9	0	583		4.3	12	245	16	290
TOT PCT	83.6	11.7	1.2	1.5	.0		100.0		100.0	100.0	100.0	100.0

MARCH

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1921-1977

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	8.3	16.7	41.7	16.7	.0	16.7	.0	11.5	100.0	12
06&09	10.2	46.8	37.0	4.2	1.1	.8	.0	4.3	100.0	265
12&15	6.3	18.8	43.8	18.8	.0	12.5	.0	10.6	100.0	16
18&21	10.3	49.0	37.2	2.4	1.0	.0	.0	3.6	100.0	290
TOT	59	271	218	23	6	6	0	4.3		583
PCT	10.1	46.5	37.4	3.9	1.0	1.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	6.0	17.9	7.1		5.8
NE	2.4	.0	.6	1.2		4.1
E	3.6	.0	2.4	.0		3.2
SE	1.2	.6	.0	.0		2.3
S	.0	1.8	.0	.0		3.0
SW	.0	.0	2.4	2.4		6.5
W	.0	2.4	11.9	4.8		6.8
NW	2.4	1.2	12.5	6.0		5.8
VAR	.0	.0	.0	.0		.0
CALM	2.4	2.4	4.8	.0		3.7
TOT OBS	5	6	22	9	42	5.4
TOT PCT	11.9	14.3	52.4	21.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	1.8	7.1	.0	1.8	.0	.0	.0	20.2	
.0	.0	.0	.6	1.2	.0	.0	.0	.0	.0	2.4	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	
.0	.0	2.4	.0	2.4	.0	.0	.0	.0	.0	.0	
.0	2.4	2.4	4.8	.0	1.8	.0	1.8	.0	.0	6.0	
.0	.0	.0	4.8	3.6	.6	.6	.6	.0	.0	11.9	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.5	
0	1	2	5	6	1	1	1	0	0	25	42
.0	2.4	4.8	11.9	14.3	2.4	2.4	2.4	.0	.0	59.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) • OR >10	• OR >5	• OR >2	• OR >1	• OR >1/2	• OR >1/4	• OR >30YD	• OR >0
• OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
• OR >5000	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
• OR >3500	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
• OR >2000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
• OR >1000	18.6	20.9	20.9	20.9	20.9	20.9	20.9	20.9
• OR >600	23.3	32.6	32.6	32.6	32.6	32.6	32.6	32.6
• OR >300	23.3	34.9	34.9	37.2	37.2	37.2	37.2	37.2
• OR >150	25.6	37.2	37.2	39.5	39.5	39.5	39.5	39.5
• OR > 0	25.6	37.2	37.2	39.5	39.5	39.5	39.5	39.5
TOTAL	11	16	16	17	17	17	17	17

TOTAL NUMBER OF OBS: 43 PCT FREQ NH <5/8: 60.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
1.8	9.1	16.4	12.7	10.9	12.7	3.6	5.5	27.3	.0	55

MARCH

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1921-1977

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	*	.5	.0	.0	.2	.7	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	*	.5	.0	.0	.2	.7	
1/2<1	PCP	.0	.0	.3	*	.0	.0	.1	*	.0	.0	.5	
	NO PCP	.1	.0	.0	.0	.0	.0	.2	*	.0	.0	.4	
	TOT %	.1	.0	.3	*	.0	.0	.3	.1	.0	.0	.9	
1<2	PCP	.2	.0	.0	.0	.2	.2	.2	.2	.0	.0	.9	
	NO PCP	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	
	TOT %	.4	.0	.0	.0	.2	.2	.2	.2	.0	.2	1.3	
2<5	PCP	.6	*	.0	.4	.0	.2	.1	1.3	.0	.0	2.7	
	NO PCP	1.0	1.4	1.0	.5	.3	1.1	.5	1.4	.0	.2	7.7	
	TOT %	1.7	1.3	1.0	.9	.3	1.3	.6	2.9	.0	.2	10.4	
5<10	PCP	.5	.5	.8	*	.2	.0	1.8	.8	.0	.2	4.8	
	NO PCP	1.3	1.9	1.4	.8	.6	1.3	1.3	4.2	.0	2.3	15.2	
	TOT %	1.8	2.4	2.2	.8	.8	1.3	3.2	5.0	.0	2.5	20.0	
10+	PCP	.5	.9	.5	.5	.0	.2	1.4	1.1	.0	.2	5.4	
	NO PCP	8.5	8.9	4.5	7.5	4.0	6.3	5.5	9.2	.0	7.0	61.4	
	TOT %	9.0	9.9	5.0	8.1	4.0	6.4	6.9	10.5	.0	7.1	66.8	
	TOT OBS												560
	TOT PCT	12.9	13.7	8.6	9.9	5.3	9.3	11.7	18.5	.0	10.2	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	.3	
	4-10	.0	.0	.0	.0	.0	*	.5	.0	.0		.5	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	*	.6	.0	.0	.2	.9	
1/2<1	0-3	.3	.0	.3	.2	.0	.0	.3	.1	.0	.0	1.2	
	4-10	.0	.0	.3	.0	.0	.2	.0	.2	.0		.7	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.3	.0	.6	.2	.0	.2	.3	.3	.0	.0	1.9	
1<2	0-3	.5	.2	.2	.3	.3	*	.0	.2	.0	.5	2.2	
	4-10	.2	.0	.0	.0	.1	*	.3	.4	.0		1.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.2	.0	.0	.0		.2	
	TOT %	.7	.2	.2	.3	.4	.3	.3	.6	.0	.5	3.4	
2<5	0-3	1.0	.6	.6	.7	.2	.7	.3	1.0	.0	.2	5.3	
	4-10	.6	.6	.3	.2	.1	.6	.3	1.5	.0		4.1	
	11-21	.0	.2	.0	.0	.0	.0	.0	.3	.0		.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.6	1.4	1.0	.9	.3	1.2	.6	2.8	.0	.2	9.9	
5<10	0-3	.4	1.5	1.3	.7	.5	.7	.8	3.0	.0	2.4	11.3	
	4-10	1.0	.4	.8	.1	.3	.4	1.2	1.5	.0		5.7	
	11-21	.3	.2	.0	.0	.0	.2	.2	.2	.0		1.0	
	22+	.0	.2	.0	.0	.0	.0	.9	.1	.0		1.2	
	TOT %	1.7	2.3	2.1	.8	.8	1.3	3.0	4.8	.0	2.4	19.2	
10+	0-3	4.5	5.5	2.2	4.4	2.8	3.1	3.3	3.4	.0	6.9	36.2	
	4-10	3.6	3.9	2.5	3.3	1.2	3.1	1.8	6.0	.0		25.4	
	11-21	.5	.0	.1	.1	.1	.2	.9	.4	.0		2.4	
	22+	.0	.0	.0	.0	.0	.0	.6	*	.0		.7	
	TOT %	8.6	9.5	4.8	7.8	4.1	6.4	6.6	9.9	.0	6.9	64.7	
	TOT OBS												583
	TOT PCT	12.9	13.3	8.7	10.0	5.6	9.4	11.5	18.4	.0	10.1	100.0	

MARCH

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1921-1977

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	9.1	27.3	.0	.0	.0	.0	.0	36.4	63.6	11
06&09	.0	.0	16.7	.0	8.3	.0	.0	.0	.0	.0	25.0	75.0	12
12&15	.0	.0	.0	21.4	14.3	7.1	.0	.0	.0	.0	42.9	57.1	14
18&21	.0	12.5	.0	12.5	.0	.0	12.5	12.5	.0	.0	50.0	50.0	8
TOT	0	1	2	5	6	1	1	1	0	0	17	28	45
PCT	.0	2.2	4.4	11.1	13.3	2.2	2.2	2.2	.0	.0	37.8	62.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	15.4	84.6	13
06&09	1.9	3.7	7.4	17.8	33.1	36.1	269
12&15	.0	.0	.0	.0	31.3	68.8	16
18&21	.0	.4	.0	4.1	9.8	89.8	294
TOT	5	11	20	60	113	383	592
PCT	.8	1.9	3.4	10.1	19.1	64.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8),BY HOUR

HOUR (GMT)	<150 <5&VSBY	<600 <1	<1000 <3	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	10.0	30.0	60.0	10
06&09	.0	18.2	18.2	9.1	72.7	11
12&15	.0	.0	21.4	21.4	57.1	14
18&21	.0	12.5	25.0	25.0	50.0	8
TOT	0	3	8	9	26	43
PCT	.0	7.0	18.6	20.9	60.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.2	.4	.2	.4	.2	7	1.3
85/89	.0	.0	.0	.0	.8	10.7	8.6	6.3	138	26.4
80/84	.0	.0	.0	.0	1.3	7.8	30.3	23.0	323	61.9
75/79	.0	.0	.0	.0	.0	1.1	1.9	7.1	53	10.2
70/74	.0	.0	.0	.0	.0	.0	.0	.2	1	.2
TOTAL	0	0	0	1	13	101	215	192	522	100.0
PCT	.0	.0	.0	.2	2.5	19.3	41.2	36.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.1	.4	.0	.0	.3	.4	.0	*	.0	.0
2.7	3.9	1.9	2.7	2.3	2.1	2.1	6.2	.0	2.3
8.8	7.9	6.1	4.9	2.0	6.2	7.6	10.9	.0	7.3
1.2	1.6	.7	1.6	.7	.8	.9	2.1	.0	.6
.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
12.9	13.7	8.8	9.2	5.4	9.6	10.6	19.4	.0	10.3

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	86	85	85	83	79	79	79	82.8	13
06&09	94	90	87	83	78	78	78	83.0	266
12&15	84	83	83	82	75	75	75	81.9	16
18&21	96	91	88	85	79	76	74	82.8	293
TOT	96	90	87	83	78	76	74	82.9	588

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	.0	.0	.0	40.0	40.0	20.0	82	10
06&09	.0	.0	.0	2.1	18.3	38.6	41.1	7.7	87	241
12&15	.0	.0	.0	.0	46.2	46.2	7.7	81	13
18&21	.0	.4	3.0	18.0	43.2	35.3	86	266
TOT	0	1	13	102	218	196	86	530

MARCH

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1921-1977

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
7/8	.0	.0	.3	.0	.6	3	.0	.8
6	.0	.0	.0	.0	.6	2	.0	.6
5	.0	.0	.0	.3	.6	3	.0	.8
4	.0	.0	.0	.3	.3	2	.0	.6
3	.0	.0	.8	1.1	.3	7	.0	2.0
2	.0	.3	.8	2.0	.0	11	.0	3.1
1	.0	.0	2.0	4.2	.0	22	.0	6.2
0	.0	.0	2.8	5.3	.0	29	.0	8.1
-1	.0	.3	6.4	7.8	.0	52	.0	14.6
-2	.0	.0	11.2	1.7	.0	46	.0	12.9
-3	.0	.0	13.4	1.1	.0	52	.0	14.6
-4	.0	1.1	8.7	.0	.0	35	.0	9.8
-5	.0	2.8	7.6	.0	.0	37	.0	10.4
-6	.0	4.8	1.7	.8	.0	26	.0	7.3
-7/-8	.0	5.0	.8	.0	.0	21	.0	5.9
-9/-10	.3	2.2	.0	.0	.0	9	.0	2.5
TOTAL	1	39	201	88	8	357	0	357
PCT	.3	10.5	56.3	24.4	2.2	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	4.7	4.1	.0	.0	.0	.0	8.7
1-2	1.7	8.1	.0	.0	.0	.0	9.9
3-4	.0	2.3	4.1	.0	.0	.0	6.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YOY PCT	6.4	14.5	4.1	.0	.0	.0	25.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.6	.0	.0	.0	.0	.6
1-2	.6	2.3	.0	.0	.0	.0	2.9
3-4	.0	.0	.6	.0	.0	.0	.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YOY PCT	.6	2.9	.6	.0	.0	.0	4.1

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.1	.0	.0	.0	.0	4.1
3-4	.0	1.7	.0	.0	.0	.0	1.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YOY PCT	.0	5.8	.0	.0	.0	.0	5.8

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.6	.0	.0	.0	.0	.6
3-4	.0	.6	.0	.0	.0	.0	.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YOY PCT	.0	1.2	.0	.0	.0	.0	1.2

PERIOD: (OVER-ALL) 1966-1977 MARCH AREA 0006 SOLOMON ISLANDS SW
TABLE 18 (CONT) 9.0S 159.6E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YDY PCT	.0	.0	.0	.0	.0	.0	.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.3	.0	.0	.0	.0	.0	2.3
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	2.3	.0	.0	.0	.0	2.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	2.3	.0	.0	2.3
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YDY PCT	2.3	2.3	.0	.0	2.3	.0	7.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	2.3	2.3	.0	.0	.0	.0	4.7
3-4	.0	.0	4.7	.0	.0	.0	4.7
5-6	.0	.0	4.7	.0	.0	.0	4.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	1.7	.0	.0	1.7
10-11	.0	.0	4.1	11.6	.0	.0	15.7
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YDY PCT	2.3	2.3	9.3	13.8	11.6	.0	32.6

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.3	.0	.0	.0	.0	2.3
1-2	1.2	5.8	2.3	.0	.0	.0	9.3
3-4	.0	2.3	.0	.0	.0	.0	2.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.6	.0	.0	.6
10-11	.0	.0	.0	.6	.0	.0	.6
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YDY PCT	1.2	10.3	2.3	1.2	.0	.0	15.1

HGT	TOTAL PCT
<1	2.3
1-2	9.3
3-4	2.3
5-6	.0
7	.0
8-9	.6
10-11	.6
12	.0
13-16	.0
17-19	.0
20-22	.0
23-25	.0
26-32	.0
33-40	.0
41-48	.0
49-60	.0
61-70	.0
71-86	.0
87+	.0
YDY PCT	90.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	13.9	6.8	.0	.0	.0	.0	22.7	
1-2	6.8	29.0	2.3	.0	.0	.0	34.1	
3-4	.0	9.1	9.1	.0	.0	.0	18.2	
5-6	.0	.0	4.5	.0	.0	.0	4.5	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	2.3	.0	.0	2.3	
10-11	.0	.0	.0	4.5	13.6	.0	18.2	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	22.7	40.9	15.9	6.8	13.6	.0	100.0	44

PERIOD: (OVER-ALL) 1966-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	8.2	8.2	24.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25	2
6-7	.0	4.1	2.0	4.1	2.0	2.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	6
8-9	.0	.0	4.1	.0	.0	.0	2.1	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	9
10-11	.0	2.0	2.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	4
12-13	.0	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDEF	8.2	.0	2.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	2
TOTAL	8	7	19	2	3	1	6	3	0	0	0	0	0	0	0	0	0	0	0	49	4
PCT	10.3	14.3	38.8	4.1	6.1	2.0	12.2	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1882-1977

AREA 0006 SOLOMON ISLANDS SW
8.9S 159.4E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	23.3	.0	.0	.0	.0	.0	.0	23.3	.0	.0	.0	.0	.0		.0	76.7
NE	4.3	.0	3.8	.0	.0	.0	.0	8.1	.0	.0	.0	.0	2.4		.0	89.6
E	5.9	4.1	2.4	.0	.0	.0	.0	12.4	.0	.0	.0	.0	1.8		.0	85.9
SE	4.5	.5	2.0	.0	.0	.0	.0	7.0	.0	4.0	.0	.0	.0		.0	88.9
S	4.0	4.0	4.0	.0	.0	.0	.0	11.9	.0	.0	.0	.0	4.0		.0	84.2
SW	2.4	.0	.0	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0		.0	97.6
W	18.5	.0	.0	.0	.0	.0	.0	18.5	8.7	.0	.0	.0	.0		.0	72.8
NW	9.0	.0	2.6	.0	.0	.0	.0	11.5	2.6	.0	.0	.0	.0		.0	85.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	6.7	.0	.0	.0	.0	.0	6.7	6.7	.0	.0	.0	.0		.0	86.7
TOT PCT	6.8	1.4	2.0	.0	.0	.0	.0	10.2	1.4	.7	.0	.0	1.0		.0	86.7
TOT OBS:	293															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	11.1	5.6	.0	.0	.0	.0	.0	16.7	5.6	.0	.0	.0	.0		.0	77.8
06&09	7.0	2.3	3.1	.0	.0	.0	.0	12.4	1.6	1.6	.0	.0	1.6		.0	82.9
12&15	5.3	.0	.0	.0	.0	.0	.0	5.3	5.3	.0	.0	.0	5.3		.0	84.2
18&21	7.1	.7	1.4	.0	.0	.0	.0	9.2	.0	.0	.0	.0	.0		.0	90.8
TOT PCT	7.2	1.6	2.0	.0	.0	.0	.0	10.7	1.3	.7	.0	.0	1.0		.0	86.3
TOT OBS:	307															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.9	3.0	.0	.0	.0	.0		4.9	4.5	7.7	50.0	.0	4.4	18.3	.0	.0	3.7
NE	7.3	10.7	.9	.0	.0	.0		18.9	4.6	7.7	.0	14.3	20.8	8.3	100.0	13.9	19.9
E	3.7	7.5	3.0	.0	.0	.0		14.2	6.7	28.8	.0	.0	11.5	5.0	.0	36.1	16.8
SE	6.7	8.4	1.5	.0	.0	.0		16.6	4.9	9.6	.0	10.7	19.4	8.3	.0	16.7	16.6
S	2.9	5.2	.7	.0	.0	.0		8.9	5.9	7.7	.0	16.1	4.6	30.0	.0	11.1	10.0
SW	4.7	4.9	1.1	.1	.0	.0		10.7	5.4	15.4	.0	16.1	12.7	16.7	.0	.0	8.0
W	1.1	5.1	1.3	.2	.0	.0		7.8	7.4	7.7	25.0	14.3	12.9	.0	.0	.0	3.5
NW	5.7	7.0	.3	.0	.0	.0		13.1	4.3	7.7	25.0	.0	12.1	13.3	.0	11.1	16.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.9							4.9	.0	7.7	.0	28.6	1.6	.0	.0	11.1	5.5
TOT OBS	119	159	27	1	0	0	306		5.1	13	2	14	124	15	1	9	128
TOT PCT	38.9	52.0	8.8	.3	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.8	1.1	.0	.0	.0		4.9	4.5	13.3	4.0	17.2	3.5
NE	16.2	2.6	.1	.0	.0		18.9	4.6	6.7	20.1	14.1	19.5
E	9.6	4.1	.5	.0	.0		14.2	6.7	25.0	10.3	4.7	18.1
SE	13.1	3.4	.1	.0	.0		16.6	4.9	8.3	18.5	7.8	16.6
S	6.3	2.0	.6	.0	.0		8.9	5.9	6.7	3.8	28.1	10.0
SW	7.8	2.4	.5	.0	.0		10.7	5.4	13.3	13.0	15.6	7.5
W	5.6	1.3	.9	.0	.0		7.8	7.4	10.0	13.0	.0	3.3
NW	11.1	2.0	.0	.0	.0		13.1	4.3	10.0	10.9	12.5	15.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.9						4.9	.0	6.7	4.3	.0	5.8
TOT OBS	240	58	8	0	0	306		5.1	15	138	16	137
TOT PCT	78.4	19.0	2.6	.0	.0		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1882-1977

AREA 0006 SOLOMON ISLANDS SW
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	6.7	.0	53.3	40.0	.0	.0	.0	9.8	100.0	15
06&09	4.3	34.1	52.9	8.7	.0	.0	.0	4.9	100.0	138
12&15	.0	25.0	68.8	6.3	.0	.0	.0	6.1	100.0	16
18&21	5.8	38.7	48.9	5.8	.7	.0	.0	4.6	100.0	137
TOT	15	106	159	27	1	0	0	5.1		306
PCT	4.9	34.0	52.0	8.8	.3	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.0	4.0	.0	.0		3.0
NE	.0	2.0	5.0	4.0		6.4
E	1.5	6.5	6.5	2.0		5.0
SE	.5	3.5	2.5	4.0		5.6
S	4.0	7.5	3.5	1.5		3.9
SW	2.0	.5	10.5	.5		5.2
W	.0	.0	4.0	2.0		7.0
NW	.0	2.0	2.0	4.0		6.7
VAR	.0	.0	.0	.0		.0
CALM	2.0	.0	8.0	2.0		5.8
TOT OBS	6	13	21	10	50	5.3
TOT PCT	12.0	26.0	42.0	20.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 2499	2500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	
NE	.0	.0	.5	.0	.0	4.0	.0	.0	.0	.0	8.5	
E	.0	.0	3.0	.0	4.0	.0	.0	.0	.0	.0	9.5	
SE	.0	2.0	.5	.0	2.0	.0	.0	.0	.0	.0	6.0	
S	.0	.0	.0	.0	.0	1.5	1.5	.0	.0	.0	13.5	
SW	.0	.0	.0	.0	2.0	.5	.5	.0	.0	.0	10.5	
W	.0	.0	.0	.0	4.0	.0	.0	.0	.0	.0	2.0	
NW	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	6.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	2.0	.0	2.0	2.0	.0	.0	.0	.0	.0	6.0	
TOT OBS	0	2	2	1	8	3	1	0	0	0	33	50
TOT PCT	.0	4.0	4.0	2.0	16.0	6.0	2.0	.0	.0	.0	66.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
* OR >2000	5.0	6.7	6.7	6.7	6.7	6.7	6.7	6.7
* OR >1000	11.7	20.0	20.0	20.0	20.0	20.0	20.0	20.0
* OR >600	11.7	23.3	23.3	23.3	23.3	23.3	23.3	23.3
* OR >300	15.0	26.7	26.7	26.7	26.7	26.7	26.7	26.7
* OR >150	16.7	28.3	28.3	28.3	28.3	28.3	28.3	28.3
* OR > 0	16.7	28.3	28.3	28.3	28.3	28.3	28.3	28.3
TOTAL	10	17	17	17	17	17	17	17

TOTAL NUMBER OF OBS: 60 PCT FREQ NH <5/8: 71.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
1.6	17.5	23.8	17.5	7.9	3.2	7.9	11.1	9.5	.0	63

APRIL

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1882-1977

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.1	.6	.0	.0	.0	.7	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.1	.6	.0	.0	.0	.7	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	
2<5	PCP	.6	.0	.0	.0	.3	.1	.6	.1	.0	.0	1.7	
	NO PCP	.3	1.3	.8	1.4	.3	1.4	.3	.7	.0	.0	6.5	
	TOT %	.9	1.3	.8	1.4	.7	1.5	.9	.8	.0	.0	8.2	
5<10	PCP	.3	.7	.3	.3	.0	.0	.0	.7	.0	.3	2.7	
	NO PCP	1.8	3.4	2.7	5.0	.5	2.4	3.9	3.2	.0	.3	23.2	
	TOT %	2.1	4.1	3.1	5.4	.5	2.4	3.9	3.9	.0	.7	25.9	
10+	PCP	.3	.4	1.5	.9	.7	.1	.3	.8	.0	.0	4.8	
	NO PCP	1.8	11.9	9.2	9.4	6.9	6.5	2.1	7.8	.0	4.4	60.1	
	TOT %	2.0	12.3	10.7	10.2	7.6	6.6	2.4	8.6	.0	4.4	64.8	
	TOT OBS												293
	TOT PCT	5.1	18.0	14.5	17.0	8.6	10.5	7.8	13.3	.0	5.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	
	4-10	.0	.0	.0	.0	.0	.1	.2	.0	.0		.3	
	11-21	.0	.0	.0	.0	.0	.0	.3	.0	.0		.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.3	.0	.0	.0	.1	.6	.0	.0	.0	1.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.3	.0	.0	.0	.0	.0	.0	.0		.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	
1<2	0-3	.0	.7	.0	.0	.0	.3	.0	.3	.0	.0	1.3	
	4-10	.0	.7	.3	.0	.0	.3	.3	.0	.0		1.7	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	1.3	.3	.0	.0	.7	.3	.3	.0	.0	3.0	
2<5	0-3	.3	.7	.2	.7	.7	.7	.0	.3	.0	.0	3.6	
	4-10	.6	.4	.2	.7	.0	.7	.6	.4	.0		3.6	
	11-21	.0	.1	.2	.0	.0	.0	.3	.0	.0		.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.9	1.2	.7	1.3	.7	1.4	.9	.7	.0	.0	7.9	
5<10	0-3	.5	2.2	1.2	1.4	.0	.7	.9	1.4	.0	.7	8.9	
	4-10	1.6	1.4	1.6	3.1	.3	1.3	2.6	2.4	.0		14.2	
	11-21	.0	.3	.2	.7	.0	.3	.3	.0	.0		2.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	2.1	4.0	3.0	5.2	.3	2.3	3.8	3.8	.0	.7	25.1	
10+	0-3	1.1	3.4	2.3	4.4	2.0	3.1	.2	3.7	.0	4.3	24.4	
	4-10	.9	8.0	5.4	4.8	4.6	2.3	1.5	4.3	.0		32.0	
	11-21	.0	.5	2.6	.7	.7	.7	.3	.3	.0		5.9	
	22+	.0	.0	.0	.0	.0	.1	.2	.0	.0		.3	
	TOT %	2.0	11.9	10.3	9.9	7.3	6.4	2.3	8.3	.0	4.3	62.7	
	TOT OBS												303
	TOT PCT	5.0	19.1	14.4	16.4	8.3	10.8	7.9	13.2	.0	5.0	100.0	

APRIL

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1882-1977

AREA 0006 SOLOMON ISLANDS SW
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	5.9	5.9	17.6	5.9	.0	.0	.0	.0	35.3	64.7	17
06&09	.0	7.1	.0	7.1	21.4	.0	7.1	.0	.0	.0	42.9	57.1	14
12&15	.0	.0	.0	.0	6.7	6.7	.0	.0	.0	.0	13.3	86.7	15
18&21	.0	6.7	6.7	.0	6.7	6.7	.0	.0	.0	.0	26.7	73.3	15
TOT	0	2	2	2	8	3	1	0	0	0	18	43	61
PCT	.0	3.3	3.3	3.3	13.1	4.9	1.6	.0	.0	.0	29.5	70.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	16.7	83.3	18
06&09	2.2	.7	6.5	15.1	43.2	32.4	139
12&15	.0	.0	.0	5.3	10.5	84.2	19
18&21	.0	.0	.0	1.4	9.2	89.4	141
TOT	3	1	9	24	78	202	317
PCT	.9	.3	2.8	7.6	24.6	63.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	5.9	11.8	29.5	64.7	17
06&09	.0	7.1	14.3	28.6	57.1	14
12&15	.0	.0	.0	13.3	86.7	15
18&21	.0	7.1	7.1	14.3	78.6	14
TOT	0	3	5	12	43	60
PCT	.0	5.0	8.3	20.0	71.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.4	.0	.4	.0	2	.8
85/89	.0	.0	.0	.0	1.5	6.8	7.2	3.8	51	19.4
80/84	.0	.0	.0	.4	.0	11.0	32.7	28.1	190	72.2
75/79	.0	.0	.0	.0	.0	.4	1.5	5.7	20	7.6
TOTAL	0	0	0	1	5	48	110	99	263	100.0
PCT	.0	.0	.0	.4	1.9	18.3	41.8	37.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.4	.0	.0	.4	.0	.0
1.3	2.2	2.3	4.7	.8	3.8	.7	2.2	.0	1.5
4.0	16.2	11.9	9.6	6.9	5.6	5.3	10.1	.0	2.7
.0	.9	.7	1.9	.4	.8	1.8	.9	.0	.4
5.3	19.2	14.8	16.2	8.5	10.2	7.8	13.5	.0	4.6

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	89	88	88	84	80	80	80	84.9	18
06&09	91	89	86	83	80	78	78	82.8	138
12&15	87	86	86	83	75	75	73	82.0	19
18&21	92	89	87	82	78	75	75	82.1	141
TOT	92	89	87	83	79	78	73	82.6	316

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	13.4	61.5	23.1	.0	76	13
06&09	.0	.0	2.4	13.0	45.5	39.0	87	123
12&15	.0	.0	.0	56.3	43.8	.0	80	16
18&21	.0	.8	.0	13.8	41.5	43.9	88	123
TOT	0	1	5	90	117	102	86	275

APRIL

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1882-1977

TABLE 17

AREA 0006 SOLOMON ISLANDS SW
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PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
7/8	.0	.0	.0	.0	.5	1	.0	.5
5	.0	.0	.0	.9	.5	3	.0	1.4
3	.0	.0	.0	2.4	.5	6	.0	2.8
2	.0	.0	1.4	1.9	.5	8	.0	3.8
1	.0	.0	3.3	2.4	.0	12	.0	5.7
0	.0	.5	3.8	3.8	.0	17	.0	8.0
-1	.0	.0	6.1	3.8	.0	21	.0	9.9
-2	.0	.0	12.3	2.8	.0	32	.0	15.1
-3	.0	1.4	12.3	.9	.0	31	.0	14.6
-4	.0	.9	13.2	.9	.0	32	.0	15.1
-5	.0	3.8	8.5	.5	.0	27	.0	12.7
-6	.0	3.3	.5	.0	.0	8	.0	3.8
-7/-8	.0	4.2	.0	.0	.0	9	.0	4.2
-9/-10	.5	.9	.5	.0	.0	4	.0	1.9
-11/-13	.5	.0	.0	.0	.0	1	.0	.5
TOTAL	2		131		4		0	212
		32		43		212		
PCT	.9	15.1	61.8	20.3	1.9	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.4	.0	.0	.0	.0	.0	2.4
1-2	.0	2.4	.0	.0	.0	.0	2.4
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.4	2.4	.0	.0	.0	.0	4.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	4.9	.0	.0	.0	.0	4.9
1-2	.6	.0	.0	.0	.0	.0	.6
3-4	.0	2.4	3.0	.0	.0	.0	5.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	7.3	3.0	.0	.0	.0	11.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	1.8	.0	2.4	.0	.0	.0	4.3
3-4	.0	.0	12.2	.0	.0	.0	12.2
5-6	.0	1.8	.0	.0	.0	.0	1.8
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.8	1.8	14.6	.0	.0	.0	18.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.4	.0	.0	.0	.0	.0	2.4
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	6.7	.0	.0	.0	6.7
5-6	.0	.6	.0	.0	.0	.0	.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.4	.6	6.7	.0	.0	.0	9.8

PERIOD: (OVER-ALL) 1962-1977

APRIL

AREA 0006 SOLOMON ISLANDS SW
8.9S 159.4E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.4	4.9	.0	.0	.0	.0	7.3
1-2	.0	6.1	.0	.0	.0	.0	6.1
3-4	.0	.0	4.3	.0	.0	.0	4.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.4	11.0	4.3	.0	.0	.0	17.7

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	7.3	.0	.0	.0	.0	7.3
1-2	.0	3.7	.0	.0	.0	.0	3.7
3-4	.0	2.4	.6	.0	.0	.0	3.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	2.4	.0	.0	.0	2.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	13.4	3.0	.0	.0	.0	16.5

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.4	.0	.0	.0	.0	2.4
3-4	.0	2.4	.0	.0	.0	.0	2.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.9	.0	.0	.0	.0	4.9

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	2.4	4.9	.0	.0	.0	.0	7.3	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.4	4.9	.0	.0	.0	.0	7.3	90.2

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	27.1	14.6	.0	.0	.0	.0	41.7	
1-2	6.3	16.7	2.1	.0	.0	.0	25.0	
3-4	.0	6.3	22.9	.0	.0	.0	29.2	
5-6	.0	2.1	.0	.0	.0	.0	2.1	
7	.0	.0	2.1	.0	.0	.0	2.1	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								48
TOT PCT	33.3	39.6	27.1	.0	.0	.0	100.0	

PERIOD: (OVER-ALL) 1962-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	19.8	26.2	3.8	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28	2
6-7	.0	3.5	10.5	1.8	.0	5.3	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	3
8-9	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
10-11	.0	.0	.0	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	17.5	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	1
TOTAL	10	11	24	5	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	57	3
PCT	17.5	19.3	42.1	10.5	3.5	5.3	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MAY

PERIOD: (PRIMARY) 1943-1975
(OVER-ALL) 1883-1975

AREA 0006 SOLOMON ISLANDS SW
8.9S 159.5E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	8.5	.0	.0	.0	.0	.0	.0	8.5	.0	3.7	.0	.0	.0	.0	.0	87.8
NE	2.9	.0	.0	.0	.0	.0	.0	2.9	.0	5.8	.0	.0	.0	.0	.0	91.3
E	3.1	.0	1.7	.0	.0	.0	.0	4.9	1.1	4.0	.0	.0	2.0	.0	.0	88.0
SE	2.8	3.7	.4	.0	.0	.0	.0	7.0	2.6	2.0	.0	.0	.2	.0	.0	88.2
S	.0	1.8	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	98.2
SW	9.2	3.7	.0	.0	.0	.0	.0	12.8	7.3	7.3	.0	.0	.0	.0	.0	72.5
W	15.0	.0	.0	.0	.0	.0	.0	15.0	.0	.0	.0	.0	.0	.0	.0	85.0
NW	6.5	.0	.0	.0	.0	.0	.0	6.5	.0	.0	.0	.0	.0	.0	.0	93.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	3.8	1.6	.5	.0	.0	.0	.0	6.0	1.6	3.0	.0	.0	.5	.0	.0	88.8
TOT OBS:	367															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	14.3	.0	.0	.0	.0	.0	.0	14.3	7.1	.0	.0	.0	.0	.0	.0	78.6
06&09	6.5	2.4	.6	.0	.0	.0	.0	9.4	1.2	3.5	.0	.0	.0	.6	.0	85.3
12&15	.0	.0	.0	.0	.0	.0	.0	.0	17.6	.0	.0	.0	.0	.0	.0	82.4
18&21	.6	1.1	.6	.0	.0	.0	.0	2.3	.0	2.9	.0	.0	.0	.6	.0	94.3
TOT PCT	3.7	1.6	.5	.0	.0	.0	.0	5.9	1.6	2.9	.0	.0	.5	.0	.0	89.1
TOT OBS:	375															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.9	2.9	.4	.0	.0	.0		5.2	5.2	12.5	.0	12.5	5.2	.0	.0	.0	4.8
NE	4.5	6.9	.4	.0	.0	.0		11.7	4.6	10.7	.0	14.1	11.3	1.7	.0	13.3	12.8
E	9.1	12.7	2.0	.0	.0	.0		23.8	5.3	23.2	.0	15.6	27.2	18.3	.0	33.3	20.7
SE	8.7	19.8	2.6	.0	.0	.0		31.1	6.0	39.3	.0	26.6	29.7	53.3	.0	33.3	30.1
S	4.5	5.8	.6	.0	.0	.0		11.0	5.0	7.1	.0	10.9	7.7	11.7	.0	5.0	15.3
SW	3.6	4.4	.3	.0	.0	.0		8.3	4.4	1.8	.0	7.8	10.8	8.3	.0	5.0	6.6
W	.6	2.0	.0	.0	.0	.0		2.7	4.9	5.4	.0	6.3	1.5	6.7	.0	3.3	2.9
NW	1.8	2.3	.0	.0	.0	.0		4.2	4.4	.0	.0	.0	6.1	.0	.0	.0	3.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.0							2.0	.0	.0	.0	6.3	.6	.0	.0	6.7	3.1
TOT OBS	145	224	25	0	0	0	394		5.2	14	0	16	172	15	0	15	142
TOT PCT	36.8	56.9	6.3	.0	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	4.3	.7	.3	.0	.0		5.2	5.2	12.5	5.9	.0	4.4
NE	9.8	2.0	.0	.0	.0		11.7	4.6	10.7	11.6	1.7	12.9
E	17.6	5.6	.6	.0	.0		23.8	5.3	23.2	26.2	18.3	21.8
SE	19.9	10.3	.8	.0	.0		31.1	6.0	39.3	29.4	53.3	30.4
S	7.3	3.4	.1	.0	.0		11.0	5.0	7.1	8.0	11.7	14.4
SW	7.0	1.3	.0	.0	.0		8.3	4.4	1.8	10.3	8.3	6.5
W	2.1	.6	.0	.0	.0		2.7	4.9	5.4	1.9	6.7	3.0
NW	3.4	.8	.0	.0	.0		4.2	4.4	.0	5.6	.0	3.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.0						2.0	.0	.0	1.1	.0	3.4
TOT OBS	290	97	7	0	0	394		5.2	14	188	15	177
TOT PCT	73.6	24.6	1.8	.0	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1963-1972
(OVER-ALL) 1963-1972

AREA 0006 SOLOMON ISLANDS SW
8.9S 159.9E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	7.1	71.4	21.4	.0	.0	.0	9.5	100.0	14
06&09	1.1	31.9	61.2	5.9	.0	.0	.0	5.2	100.0	188
12&15	.0	6.7	80.0	13.3	.0	.0	.0	8.2	100.0	15
18&21	3.4	42.4	49.2	5.1	.0	.0	.0	4.9	100.0	177
TOT	8	137	224	25	0	0	0	5.2		394
PCT	2.0	34.8	56.9	6.3	.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	2.4	1.8		6.2
NE	3.0	.6	.0	1.2		3.2
E	3.7	6.1	6.7	6.7		5.2
SE	3.0	10.4	27.4	4.9		5.4
S	.0	.0	7.3	1.8		6.6
SW	.0	.0	2.4	1.2		6.6
W	.0	2.4	.0	1.8		5.1
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	2.4	2.4	.0	.0		2.0
TOT OBS	5	9	19	8	41	5.3
TOT PCT	12.2	22.0	46.3	19.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	1.8	2.4	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	4.3	
E	.0	.0	.0	.0	4.9	.0	.0	.0	.0	.0	18.3	
SE	.0	.0	.0	.0	9.8	9.8	.0	.0	.0	.0	26.2	
S	.0	.0	.0	1.8	4.9	.0	.0	.0	.0	.0	2.4	
SW	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	3.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	
TOT OBS	0	0	0	1	9	5	0	0	0	0	24	41
TOT PCT	.0	.0	.0	2.4	22.0	12.2	.0	.0	.0	.0	58.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >300YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	6.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1
* OR >1000	22.2	31.1	31.1	31.1	31.1	31.1	31.1	31.1
* OR >600	24.4	33.3	33.3	33.3	33.3	33.3	33.3	33.3
* OR >300	24.4	33.3	33.3	33.3	33.3	33.3	33.3	33.3
* OR >150	24.4	33.3	33.3	33.3	33.3	33.3	33.3	33.3
* OR > 0	24.4	33.3	33.3	33.3	33.3	33.3	33.3	33.3
TOTAL	11	15	15	15	15	15	15	15

TOTAL NUMBER OF OBS: 45 PCT FREQ NH <5/8: 66.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.0	8.2	16.3	24.5	18.4	6.1	4.1	12.2	10.2	.0	49

PERIOD: (PRIMARY) 1943-1975
(OVER-ALL) 1883-1975

AREA 0006 SOLOMON ISLANDS SW
8.9S 159.5E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	
1/2<1	PCP	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.3	
1<2	PCP	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	
2<5	PCP	.0	.0	.4	.4	.0	.1	.2	.3	.0	.0	1.4	
	NO PCP	.5	1.5	4.8	5.0	1.8	1.4	.0	.3	.0	.0	15.3	
	TOT %	.5	1.5	5.2	5.4	1.8	1.4	.2	.5	.0	.0	16.6	
5<10	PCP	.2	.3	.3	.9	.2	.5	.0	.0	.0	.0	2.5	
	NO PCP	2.0	3.3	5.4	6.1	1.0	.9	.7	.6	.0	.0	20.2	
	TOT %	2.2	3.7	5.7	7.0	1.2	1.4	.7	.6	.0	.0	22.6	
10+	PCP	.0	.0	.2	.9	.0	.1	.2	.0	.0	.0	1.4	
	NO PCP	2.5	6.6	12.4	17.8	8.7	4.2	1.6	3.1	.0	1.6	58.6	
	TOT %	2.5	6.6	12.6	18.7	8.7	4.3	1.8	3.1	.0	1.6	59.9	
	TOT OBS												367
	TOT PCT	5.6	11.8	23.8	31.1	11.6	7.4	2.7	4.2	.0	1.6	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	
	4-10	.3	.0	.0	.0	.0	.3	.0	.3	.0		.8	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.3	.0	.0	.0	.0	.3	.0	.3	.0	.3	1.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.3	.0	.0	.0	.0	.0	.0		.3	
	11-21	.0	.0	.0	.0	.0	.3	.0	.0	.0		.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.3	.0	.0	.3	.0	.0	.0	.0	.5	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	1.2	1.1	.0	1.0	.0	.0	.0		3.3	
	11-21	.0	.0	.3	.0	.0	.0	.0	.0	.0		.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	1.5	1.1	.0	1.0	.0	.0	.0	.0	3.6	
2<5	0-3	.3	.6	2.4	1.2	.7	.3	.2	.3	.0	.0	5.9	
	4-10	.3	.8	2.2	3.8	.7	1.0	.0	.3	.0		9.0	
	11-21	.0	.0	.4	.1	.3	.0	.0	.0	.0		.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.5	1.4	4.9	5.1	1.7	1.3	.2	.5	.0	.0	15.6	
5<10	0-3	.4	.5	1.4	1.7	.4	.6	.2	.3	.0	.0	5.9	
	4-10	1.7	2.4	3.8	4.3	.7	.8	.5	.3	.0		14.4	
	11-21	.0	.3	.3	1.1	.1	.0	.0	.0	.0		1.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	2.1	3.5	5.5	7.1	1.2	1.3	.7	.6	.0	.0	22.1	
10+	0-3	1.2	2.8	3.4	5.9	3.5	2.8	.3	1.3	.0	1.5	24.6	
	4-10	.7	3.3	5.4	10.8	4.5	1.4	1.5	1.6	.0		29.2	
	11-21	.4	.1	1.1	1.4	.3	.0	.0	.0	.0		3.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	2.4	6.2	11.9	18.1	8.2	4.2	1.8	2.9	.0	1.5	57.2	
	TOT OBS												990
	TOT PCT	5.3	11.1	24.0	31.4	11.1	8.4	2.7	4.2	.0	1.8	100.0	

MAY

PERIOD: (PRIMARY) 1963-1972
(OVER-ALL) 1883-1972

AREA 0006 SOLOMON ISLANDS SW
8.9S 159.9E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	28.6	7.1	.0	.0	.0	.0	35.7	64.3	14
06&09	.0	.0	.0	8.3	8.3	8.3	.0	.0	.0	.0	25.0	75.0	12
12&15	.0	.0	.0	.0	13.3	20.0	.0	.0	.0	.0	33.3	66.7	15
18&21	.0	.0	.0	.0	28.6	.0	.0	.0	.0	.0	28.6	71.4	7
TOT	0	0	0	1	9	5	0	0	0	0	15	33	48
PCT	.0	.0	.0	2.1	18.8	10.4	.0	.0	.0	.0	31.3	68.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	7.1	92.9	14
06&09	2.1	1.1	7.4	19.5	36.3	33.7	190
12&15	.0	.0	.0	.0	23.5	76.5	17
18&21	.0	.0	.0	13.6	8.5	78.0	177
TOT	4	2	14	61	89	228	398
PCT	1.0	.5	3.5	15.3	22.4	57.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	35.7	64.3	14
06&09	.0	.0	9.1	18.2	72.7	11
12&15	.0	.0	.0	35.7	64.3	14
18&21	.0	.0	.0	33.3	66.7	6
TOT	0	0	1	14	30	45
PCT	.0	.0	2.2	31.1	66.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.3	.0	.0	.0	1	.3
90/94	.0	.0	.0	.3	.0	.3	.0	.0	2	.6
85/89	.0	.0	.0	.0	.3	7.6	9.2	3.4	67	20.5
80/84	.0	.0	.0	.0	.3	8.9	37.3	24.5	232	70.9
75/79	.0	.0	.0	.0	.0	.0	1.8	5.8	25	7.6
TOTAL	0	0	0	1	3	35	158	110	327	100.0
PCT	.0	.0	.0	.3	.9	10.8	48.3	33.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
.0	.0	.0	.6	.0	.0	.0	.0	.0	.0
2.0	4.1	5.1	4.7	1.5	1.8	.3	.6	.0	.3
1.8	7.3	18.8	24.3	8.3	5.4	2.0	2.2	.0	1.2
1.0	.2	1.1	1.9	1.7	.8	.5	.5	.0	.0
4.5	11.6	25.1	31.9	11.4	8.0	2.8	3.1	.0	1.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	88	87	87	82	78	78	78	83.1	14
06&09	95	91	88	85	79	77	75	83.2	192
12&15	84	83	83	82	80	80	80	81.9	17
18&21	99	90	87	82	78	77	77	82.4	178
TOT	99	92	88	82	79	77	75	82.8	401

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	.0	38.5	53.8	7.7	82	13
06&09	.0	.0	.6	13.6	44.8	39.0	87	194
12&15	.0	.0	.0	29.4	64.7	5.9	82	17
18&21	.0	.7	1.4	14.2	50.7	33.1	86	148
TOT	0	1	3	99	162	111	86	332

PERIOD: (PRIMARY) 1963-1975
(OVER-ALL) 1963-1975

AREA 0006 SOLOMON ISLANDS SW
8.9S 159.3E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
11/13	.0	.0	.0	.4	.0	.0	1	.0	.4
9/10	.0	.0	.4	.0	.0	.7	3	.0	1.1
7/8	.0	.0	.0	.0	.7	.4	3	.0	1.1
6	.0	.0	.0	.0	.4	.0	1	.0	.4
5	.0	.0	.0	.4	.4	.0	2	.0	.7
3	.0	.0	.4	.4	1.4	.0	6	.0	2.1
2	.0	.0	1.4	2.8	.0	.0	12	.0	4.3
1	.0	.0	.4	3.2	.0	.0	10	.0	3.5
0	.0	.0	6.4	1.1	.0	.0	21	.0	7.4
-1	.0	.4	7.8	7.1	.0	.0	43	.0	15.2
-2	.0	1.1	14.5	.4	.0	.0	45	.0	16.0
-3	.0	.7	18.8	.4	.0	.0	56	.0	19.9
-4	.0	2.5	8.5	.4	.0	.0	32	.0	11.3
-5	.0	2.8	4.3	.0	.0	.0	20	.0	7.1
-6	.0	2.8	1.8	.0	.0	.0	13	.0	4.6
-7/-8	.0	3.2	.7	.0	.0	.0	11	.0	3.9
-9/-10	.4	.4	.0	.0	.0	.0	2	.0	.7
-11/-13	.0	.4	.0	.0	.0	.0	1	.0	.4
TOTAL	1	40	104	44	8	3	282	0	282
PCT	.4	14.2	65.2	16.3	2.8	1.1	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	4.6	.0	.0	.0	.0	4.6
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-88	.0	.0	.0	.0	.0	.0	.0
89+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.6	.0	.0	.0	.0	4.6

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.7	.0	.0	.0	.0	.7
1-2	.7	3.3	.0	.0	.0	.0	3.9
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-88	.0	.0	.0	.0	.0	.0	.0
89+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	3.9	.0	.0	.0	.0	4.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.6	.0	.0	.0	.0	.0	2.6
1-2	2.0	4.6	.0	.0	.0	.0	6.6
3-4	.0	5.3	3.9	.0	.0	.0	9.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-88	.0	.0	.0	.0	.0	.0	.0
89+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	4.6	9.9	3.9	.0	.0	.0	18.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	23.7	.0	.0	.0	.0	23.7
3-4	.0	13.2	9.2	.0	.0	.0	22.4
5-6	.0	.0	2.6	.0	.0	.0	2.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-88	.0	.0	.0	.0	.0	.0	.0
89+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	36.8	11.8	.0	.0	.0	48.7

PERIOD: (OVER-ALL) 1968-1979 MAY AREA 0806 SOLOMON ISLANDS S# 8.9S 159.9E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	4.6	4.6	.0	.0	.0	.0	9.2
3-4	.0	.0	2.4	.0	.0	.0	2.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	4.6	4.6	2.4	.0	.0	.0	11.8

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.7	3.9	.0	.0	.0	.0	4.6
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	3.9	.0	.0	.0	.0	4.6

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.0	.0	.0	.0	.0	2.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.0	.0	.0	.0	.0	2.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	94.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	14.3	7.1	.0	.0	.0	.0	21.4	
1-2	7.1	38.1	.0	.0	.0	.0	45.2	
3-4	.0	16.7	14.3	.0	.0	.0	31.0	
5-6	.0	.0	2.4	.0	.0	.0	2.4	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								42
TOT PCT	21.4	61.9	16.7	.0	.0	.0	100.0	

PERIOD: (OVER-ALL) 1955-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
6-7	.0	4.3	4.3	12.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	4
8-9	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
10-11	.0	.0	.0	2.1	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	6
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	8.5	4.3	2.1	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	2
TOTAL	8	9	17	13	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47	5
PCT	10.6	19.1	36.2	27.7	6.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1902-1977
(OVER-ALL) 1902-1977

AREA 0006 SOLOMON ISLANDS SW
8.4S 158.9E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NE	17.0	7.5	3.8	.0	.0	.0	.0	28.3	.0	3.8	.0	.0	.0		.0	71.7
E	11.6	5.1	2.6	.0	.0	.0	.0	19.3	.0	1.3	1.3	.0	.0		.0	78.1
SE	11.9	6.5	1.6	.0	.0	.0	.0	20.0	.0	6.3	.0	.0	1.6		.0	73.6
S	17.6	9.1	.0	.0	.0	.0	.0	26.7	.0	4.6	.0	.0	.0		.0	73.3
SW	12.8	.0	.0	.0	.0	.0	.0	12.8	.0	.0	.0	.0	.0		.0	87.2
W	17.4	.0	.0	.0	.0	.0	.0	17.4	.0	.0	.0	.0	.0		.0	82.6
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	50.0	.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0		.0	50.0
TOT PCT	12.7	5.9	1.6	.0	.0	.0	.0	20.2	.0	3.9	.3	.0	.7		.0	76.5
TOT OBS:	307															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	7.7	7.7	.0	.0	.0	.0	.0	15.4	.0	.0	.0	.0	.0		.0	84.6
06&09	16.1	8.1	1.3	.0	.0	.0	.0	25.5	.0	3.4	.0	.0	.0		.0	73.2
12&15	.0	11.1	11.1	.0	.0	.0	.0	22.2	.0	.0	.0	.0	.0		.0	77.8
18&21	11.9	5.0	1.3	.0	.0	.0	.0	18.2	.0	5.7	.6	.0	1.3		.0	75.5
TOT PCT	13.3	6.7	1.5	.0	.0	.0	.0	21.5	.0	4.2	.3	.0	.6		.0	74.8
TOT OBS:	330															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.2	.6	.0	.0	.0	.0		2.8	2.9	.0	.0	2.6	1.9	.0	.0	3.1	4.1
NE	3.8	3.8	.9	.0	.0	.0		8.5	5.0	15.0	25.0	5.3	6.8	14.3	.0	12.5	8.8
E	8.6	12.1	5.4	.0	.0	.0		26.0	6.7	42.5	25.0	11.8	31.8	21.4	100.0	26.6	23.5
SE	12.5	24.3	3.8	.0	.0	.0		40.7	5.9	22.5	.0	43.4	40.0	64.3	.0	52.3	38.4
S	5.1	7.6	.8	.0	.0	.0		13.5	5.2	10.0	50.0	28.3	11.0	.0	.0	5.5	13.8
SW	.7	2.4	.0	.0	.0	.0		3.1	5.6	.0	.0	8.6	2.1	.0	.0	.0	3.7
W	.2	1.6	.0	.0	.0	.0		1.8	5.3	.0	.0	.0	1.9	.0	.0	.0	3.2
NW	1.4	1.6	.0	.0	.0	.0		3.0	3.6	.0	.0	.0	4.7	.0	.0	.0	3.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.6							.6	.0	10.0	.0	.0	.0	.0	.0	.0	.8
TOT OBS	110	109	34	0	0	0	313		5.7	10	2	38	107	7	1	32	116
TOT PCT	35.1	34.0	10.9	.0	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.5	.3	.0	.0	.0		2.8	2.9	.0	2.1	.0	3.9
NE	6.6	1.8	.1	.0	.0		8.5	5.0	16.7	6.4	12.5	9.6
E	14.9	10.6	.6	.0	.0		26.0	6.7	39.6	26.6	31.3	24.2
SE	26.5	13.4	.7	.0	.0		40.7	5.9	18.8	40.9	56.3	41.4
S	10.1	3.2	.2	.0	.0		13.5	5.2	16.7	15.3	.0	12.0
SW	2.1	1.0	.0	.0	.0		3.1	5.6	.0	3.8	.0	2.9
W	1.5	.3	.0	.0	.0		1.8	5.3	.0	1.4	.0	2.5
NW	3.0	.0	.0	.0	.0		3.0	3.6	.0	3.4	.0	2.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.6						.6	.0	8.3	.0	.0	.7
TOT OBS	212	96	5	0	0	313		5.7	12	148	8	148
TOT PCT	67.7	30.7	1.6	.0	.0		100.0		100.0	100.0	100.0	100.0

JUNE

PERIOD: (PRIMARY) 1902-1977
(OVER-ALL) 1882-1977

AREA 0006 SOLOMON ISLANDS SW
8.4S 158.9E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	8.3	8.3	25.0	58.3	.0	.0	.0	10.0	100.0	12
06&09	.0	31.0	59.3	9.7	.0	.0	.0	5.9	100.0	145
12&15	.0	.0	62.5	37.5	.0	.0	.0	9.5	100.0	8
18&21	.7	41.9	50.7	6.8	.0	.0	.0	5.0	100.0	148
TOT	2	108	169	34	0	0	0	5.7		313
PCT	.6	34.5	54.0	10.9	.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	3.2	.0	.0		4.0
NE	.0	3.2	.8	4.0		8.1
E	.0	8.9	8.1	8.1		3.6
SE	12.9	7.3	10.5	14.5		4.9
S	.0	3.2	.0	5.6		6.1
SW	.0	6.5	.0	.0		3.5
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	3.2	.0	.0	.0		2.0
TOT OBS	5	10	6	10	31	3.1
TOT PCT	16.1	32.3	19.4	32.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	
NE	.0	.0	.0	.0	4.8	.0	.0	.0	.0	.0	3.2	
E	.0	.0	.0	6.9	4.8	.0	.0	.0	.0	.0	13.7	
SE	.0	.0	3.2	3.2	3.2	4.0	.0	.0	.0	.0	31.5	
S	.0	.0	.0	3.2	.0	2.4	.0	.0	.0	.0	3.2	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	1	4	4	2	0	0	0	0	20	31
TOT PCT	.0	.0	3.2	12.9	12.9	6.5	.0	.0	.0	.0	64.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	3.2	6.5	6.5	6.5	6.5	6.5	6.5	6.5
* OR >1000	16.1	19.4	19.4	19.4	19.4	19.4	19.4	19.4
* OR >600	22.6	25.8	25.8	25.8	29.0	29.0	29.0	29.0
* OR >300	22.6	29.0	29.0	29.0	32.3	32.3	32.3	32.3
* OR >150	22.6	29.0	29.0	29.0	32.3	32.3	32.3	32.3
* OR > 0	22.6	29.0	29.0	29.0	32.3	32.3	32.3	32.3
TOTAL	7	9	9	9	10	10	10	10

TOTAL NUMBER OF OBS: 31 PCT FREQ NH <5/8: 67.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
2.6	7.9	18.4	18.4	15.8	7.9	10.5	2.6	15.8 .0	38

PERIOD: (PRIMARY) 1902-1977
(OVER-ALL) 1882-1977

AREA 0006 SOLOMON ISLANDS SW
8.4S 158.9E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.7	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.7	
1/2<1	PCP	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.3	
	NO PCP	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	
	TOT %	.0	.0	.3	.0	.3	.0	.0	.0	.0	.0	.7	
1<2	PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
2<5	PCP	.0	.2	.8	1.0	.0	.3	.0	.0	.0	.0	2.3	
	NO PCP	.0	.4	2.0	2.5	1.0	.0	.0	.3	.0	.0	6.2	
	TOT %	.0	.6	2.8	3.5	1.0	.3	.0	.3	.0	.0	8.5	
5<10	PCP	.0	1.3	3.2	5.5	2.9	.1	.3	.0	.0	.3	13.7	
	NO PCP	.7	1.6	7.7	15.1	4.8	.7	.3	1.0	.0	.0	31.9	
	TOT %	.7	2.9	10.8	20.7	7.7	.8	.7	1.0	.0	.3	45.6	
10+	PCP	.0	1.0	.9	.7	.3	.0	.0	.0	.0	.0	2.9	
	NO PCP	2.2	4.2	10.5	15.1	4.1	2.0	1.2	1.7	.0	.3	41.4	
	TOT %	2.2	5.1	11.4	15.9	4.4	2.0	1.2	1.7	.0	.3	44.3	
	TOT OBS												307
	TOT PCT	2.9	8.6	25.3	41.0	13.4	3.2	1.9	3.0	.0	.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.6	.0	.0	.0	.0	.0		.6	
	11-21	.0	.0	.3	.0	.0	.0	.0	.0	.0		.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.3	.6	.0	.0	.0	.0	.0	.0	1.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.3	.0	.0	.0	.0	.0	.0		.3	
	11-21	.0	.0	.0	.0	.3	.0	.0	.0	.0		.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.3	.0	.3	.0	.0	.0	.0	.0	.6	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.6	.0	.0	.0	.0	.0		.6	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.6	
2<5	0-3	.0	.2	.8	.0	.6	.0	.0	.0	.0	.0	1.6	
	4-10	.0	.3	1.1	3.2	.3	.3	.0	.3	.0		5.5	
	11-21	.0	.1	.9	.3	.0	.0	.0	.0	.0		1.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.6	2.8	3.5	1.0	.3	.0	.3	.0	.0	8.4	
5<10	0-3	.3	1.6	2.9	5.3	1.8	.3	.0	.3	.0	.3	12.9	
	4-10	.3	1.3	7.0	13.6	5.4	.5	.6	.6	.0		29.4	
	11-21	.0	.0	.8	1.6	.5	.0	.0	.0	.0		2.9	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.6	2.9	10.8	20.6	7.7	.8	.6	1.0	.0	.3	45.3	
10+	0-3	1.9	2.0	4.7	7.4	2.8	.4	.2	1.1	.0	.3	20.7	
	4-10	.3	2.3	3.5	6.6	1.6	1.6	1.0	.6	.0		17.5	
	11-21	.0	.8	3.2	1.9	.0	.0	.0	.0	.0		5.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	2.2	5.1	11.3	15.8	4.4	2.0	1.2	1.7	.0	.3	44.0	
	TOT OBS												309
	TOT PCT	2.8	8.6	25.5	41.1	13.3	3.2	1.9	3.0	.0	.6	100.0	

JUNE

PERIOD: (PRIMARY) 1902-1977
(OVER-ALL) 1882-1977

AREA 0006 SOLOMON ISLANDS SW
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	16.7	16.7	8.3	.0	.0	.0	.0	41.7	58.3	12
06&09	.0	.0	11.1	11.1	11.1	.0	.0	.0	.0	.0	33.3	66.7	9
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	7
18&21	.0	.0	.0	14.3	14.3	14.3	.0	.0	.0	.0	42.9	57.1	7
TOT	0	0	1	4	4	2	0	0	0	0	11	24	35
PCT	.0	.0	2.9	11.4	11.4	5.7	.0	.0	.0	.0	31.4	68.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	7.7	.0	.0	7.7	84.6	13
06&09	2.0	.0	.7	14.0	56.0	27.3	150
12&15	.0	.0	.0	.0	.0	100.0	9
18&21	.0	.6	.6	3.8	45.0	50.0	160
TOT	3	2	2	27	157	141	332
PCT	.9	.6	.6	8.1	47.3	42.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50VD	<600 <1	<1000 <3	1000+ AND3+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	10.0	20.0	30.0	50.0	10
06&09	.0	11.1	22.2	11.1	66.7	9
12&15	.0	.0	.0	.0	100.0	6
18&21	.0	.0	.0	33.3	66.7	6
TOT	0	2	4	6	21	31
PCT	.0	6.5	12.9	19.4	67.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	2.5	5.7	1.9	1.3	18	11.3
80/84	.0	.0	.0	.0	1.3	11.3	30.2	18.2	97	61.0
75/79	.0	.0	.0	.0	.0	.6	5.0	21.4	43	27.0
70/74	.0	.0	.0	.0	.0	.0	.0	.6	1	.6
TOTAL	0	0	0	0	6	28	59	66	159	100.0
PCT	.0	.0	.0	.0	3.8	17.6	37.1	41.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.9	5.2	3.3	.0	.0	.5	1.4	.0	.0
	3.0	7.4	15.7	23.1	6.4	2.8	.0	1.9	.0	.6
	.6	2.7	6.8	12.7	2.4	1.3	.0	.6	.0	.0
	.0	.0	.0	.2	.5	.0	.0	.0	.0	.0
	3.6	11.0	27.7	39.3	9.3	4.1	.5	3.9	.0	.6

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	97	96	96	84	77	77	77	84.1	14
06&09	94	92	89	82	78	76	73	82.8	153
12&15	85	84	84	82	77	77	77	81.8	8
18&21	94	89	86	80	77	76	76	80.9	160
TOT	97	92	88	81	77	76	73	81.9	336

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	18.2	45.5	18.2	18.2	80	11
06&09	.0	.0	2.8	21.1	38.0	38.0	86	71
12&15	.0	.0	12.5	25.0	62.5	.0	79	8
18&21	.0	.0	1.4	8.1	35.1	55.4	89	74
TOT	0	0	4	28	60	70	87	164

JUNE

PERIOD: (PRIMARY) 1902-1977
(OVER-ALL) 1882-1977

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
9/10	.0	.0	.0	.0	.0	.4	1	.0	.4
7/8	.0	.0	.0	.0	1.6	.0	4	.0	1.6
6	.0	.0	.4	.0	.8	.0	3	.0	1.2
5	.0	.0	.4	.0	.8	.0	3	.0	1.2
4	.0	.0	.8	.4	.0	.0	3	.0	1.2
3	.0	1.2	4.0	.8	.4	.0	16	.0	6.4
2	.0	.4	4.4	.8	.0	.0	14	.0	5.6
1	.0	1.6	6.4	2.4	.4	.0	27	.0	10.8
0	.0	3.6	4.0	3.6	.0	.0	28	.0	11.2
-1	.0	1.2	8.8	1.2	.0	.0	28	.0	11.2
-2	.0	3.2	8.0	.4	.0	.0	29	.0	11.6
-3	.0	7.2	5.6	.0	.0	.0	32	.4	12.4
-4	.0	4.4	3.2	.0	.0	.0	19	.0	7.6
-5	.0	5.6	.0	.0	.0	.0	14	.0	5.6
-6	.4	4.4	.4	.0	.0	.0	13	.0	5.2
-7/-8	.8	4.0	.0	.0	.0	.0	12	.0	4.8
-9/-10	.4	.4	.0	.0	.0	.0	2	.0	.8
-11/-13	.0	.8	.0	.0	.0	.0	2	.0	.8
-14/-16	.4	.0	.0	.0	.0	.0	1	.0	.4
TOTAL	5	95	116	24	10	1	251	1	250
PCT	2.0	37.8	46.2	9.6	4.0	.4	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.2	.0	.0	.0	.0	3.2
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.2	.0	.0	.0	.0	3.2

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.2	.8	.0	.0	.0	4.0
3-4	.0	.0	4.0	.0	.0	.0	4.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.2	4.8	.0	.0	.0	8.1

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	4.8	.0	.0	.0	4.8
3-4	.0	2.4	13.7	.0	.0	.0	16.1
5-6	.0	3.2	3.2	.0	.0	.0	6.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.6	21.8	.0	.0	.0	27.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	3.2	.0	.0	.0	.0	.0	3.2
1-2	.0	9.7	4.0	.0	.0	.0	13.7
3-4	.0	10.5	4.8	.0	.0	.0	15.3
5-6	.0	3.2	6.5	.0	.0	.0	9.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.2	23.4	15.3	.0	.0	.0	41.9

PERIOD: (OVER-ALL) 1963-1977 JUNE AREA 0004 SOLOMON ISLANDS SW

TABLE 18 (CONT) 8.4S 158.9E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.4	.0	.0	.0	.0	2.4	.0	7.3	.0	.0	.0	.0	7.3
1-2	3.2	.0	.0	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	3.2	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.2	2.4	3.2	.0	.0	.0	8.9	.0	7.3	.0	.0	.0	.0	7.3

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	96.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	6.5	9.7	.0	.0	.0	.0	16.1	
1-2	3.2	16.1	9.7	.0	.0	.0	29.0	
3-4	.0	12.9	22.6	.0	.0	.0	35.5	
5-6	.0	6.5	12.9	.0	.0	.0	19.4	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	9.7	45.2	45.2	.0	.0	.0	100.0	31

PERIOD: (OVER-ALL) 1963-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
46	.0	15.2	15.2	15.2	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	4
6-7	.0	6.1	9.1	12.1	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	4
8-9	.0	.0	3.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
10-11	.0	.0	3.0	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
12-13	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	3.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2
TOTAL	1	7	11	10	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	33	4
PCT	3.0	21.2	33.3	30.3	6.1	.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1882-1977

AREA 0006 SOLOMON ISLANDS SW
8.0S 159.3E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	21.4	.0	.0	.0	.0	21.4	.0	.0	.0	.0	.0		.0	78.6
NE	14.0	.0	1.2	.0	.0	.0	.0	15.1	.0	.0	1.2	.0	.0		.0	83.7
E	10.1	2.7	.7	.0	.0	.0	.0	16.4	1.0	2.2	.7	.0	2.7		.0	77.2
SE	8.0	4.6	.7	.0	.0	.0	.0	13.3	.3	.4	.0	.0	.7		.0	85.6
S	8.7	2.7	2.0	.0	.0	.0	.0	13.3	9.3	.0	.0	.0	.0		.0	77.3
SW	9.3	9.3	2.3	.0	.0	.0	.0	20.9	.0	.0	.0	.0	.0		.0	79.1
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NW	.0	15.4	.0	.0	.0	.0	.0	15.4	.0	.0	.0	.0	.0		.0	84.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6		.0	94.4
TOT PCT	8.4	4.5	1.0	.0	.0	.0	.0	13.9	1.3	.8	.3	.0	1.3		.0	82.7
TOT OBS:	381															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	5.3	.0	.0	.0	.0	.0	.0	5.3	10.5	.0	.0	.0	5.3		.0	78.9
06609	11.3	4.2	.6	.0	.0	.0	.0	16.1	1.2	.6	.6	.0	1.2		.0	80.4
12615	5.3	.0	.0	.0	.0	.0	.0	5.3	5.3	5.3	.0	.0	.0		.0	84.2
18621	7.7	5.8	1.4	.0	.0	.0	.0	14.9	.0	1.4	.0	.0	1.0		.0	83.2
TOT PCT	8.9	4.6	1.0	.0	.0	.0	.0	14.5	1.2	1.2	.2	.0	1.2		.0	81.9
TOT OBS:	414															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.5	.4	.0	.0	.0	.0		.9	3.0	4.7	.0	6.7	.5	.0	.0	.0	.0
NE	2.0	3.2	.2	.0	.0	.0		5.3	5.0	3.1	.0	4.2	3.1	5.3	.0	.0	6.6
E	6.7	13.8	6.3	.2	.0	.0		27.1	7.8	26.6	.0	22.5	28.1	25.0	.0	23.8	28.0
SE	15.7	21.4	9.3	.5	.0	.0		47.0	6.9	42.2	.0	38.3	49.5	38.2	.0	44.0	48.7
S	2.3	4.7	3.1	.0	.0	.0		10.1	8.4	21.9	.0	17.5	7.7	21.1	.0	31.0	6.2
SW	.8	1.0	.9	.0	.0	.0		2.7	8.4	1.6	100.0	4.2	1.5	5.3	.0	1.2	2.9
W	.0	.2	.4	.0	.0	.0		.6	12.6	.0	.0	1.7	.7	.0	100.0	.0	.0
NW	.2	1.0	.4	.0	.0	.0		1.6	6.5	.0	.0	5.0	2.1	5.3	.0	.0	.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.7							4.7	.0	.0	.0	.0	4.8	.0	.0	.0	6.9
TOT OBS	134	186	84	3	0	0	407		6.9	16	1	30	146	19	1	21	173
TOT PCT	32.9	45.7	20.6	.7	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.9	.0	.0	.0	.0		.9	3.0	4.4	1.6	.0	.0
NE	4.1	1.2	.1	.0	.0		5.3	5.0	2.9	5.0	5.0	5.9
E	13.5	12.2	1.2	.2	.0		27.1	7.8	28.0	27.1	23.8	27.6
SE	30.2	12.8	4.0	.0	.0		47.0	6.9	39.7	47.6	36.3	48.2
S	4.4	4.8	1.0	.0	.0		10.1	8.4	20.6	9.4	20.0	8.9
SW	1.7	.4	.6	.0	.0		2.7	8.4	7.4	2.0	5.0	2.7
W	.2	.1	.2	.0	.0		.6	12.6	.0	.9	5.0	.0
NW	1.0	.6	.0	.0	.0		1.6	6.5	.0	2.6	5.0	.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.7						4.7	.0	.0	4.0	.0	6.2
TOT OBS	246	131	29	1	0	407		6.9	17	176	20	194
TOT PCT	60.4	32.2	7.1	.2	.0		100.0		100.0	100.0	100.0	100.0

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PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1882-1977

AREA 0006 SOLOMON ISLANDS SW
8.8S 159.3E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	17.6	82.4	.0	.0	.0	14.0	100.0	17
06&09	4.0	30.1	48.3	17.0	.6	.0	.0	6.4	100.0	176
12&15	.0	10.0	35.0	55.0	.0	.0	.0	11.6	100.0	20
18&21	6.2	30.9	46.9	14.9	1.0	.0	.0	8.2	100.0	194
TOT	19	115	186	84	3	0	0	6.9		407
PCT	4.7	28.3	45.7	20.6	.7	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.2	1.6	.0	.0		2.5
NE	.4	.0	.4	3.5		7.2
E	5.5	.0	12.1	10.2		5.7
SE	6.6	6.3	15.6	10.5		5.6
S	3.5	2.7	5.5	5.1		5.2
SW	.0	3.5	2.3	.4		5.1
W	.0	.0	.0	1.6		8.0
NW	1.6	.0	.0	.0		2.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	12	9	23	20	64	5.5
TOT PCT	18.8	14.1	35.9	31.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	
NE	.0	.0	.0	1.6	.4	.0	.0	.0	.0	.0	2.3	
E	.0	.0	.0	2.7	8.2	1.6	.0	.0	.0	.0	19.2	
SE	.0	.0	1.6	2.7	7.0	9.1	.0	.0	.0	.0	24.6	
S	.0	.0	2.3	5.5	.0	.0	.0	.0	.0	.0	9.0	
SW	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	5.5	
W	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	3	9	10	3	0	0	0	0	39	64
TOT PCT	.0	.0	4.7	14.1	15.6	4.7	.0	.0	.0	.0	60.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) • OR >10	• OR >5	• OR >2	• OR >1	• OR >1/2	• OR >1/4	• OR >50YD	• OR >0
• OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
• OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
• OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
• OR >2000	1.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6
• OR >1000	11.3	19.7	21.1	21.1	21.1	21.1	21.1	21.1
• OR >600	18.3	33.8	35.2	35.2	35.2	35.2	35.2	35.2
• OR >300	19.7	36.6	39.4	39.4	39.4	39.4	39.4	39.4
• OR >150	19.7	36.6	39.4	39.4	39.4	39.4	39.4	39.4
• OR > 0	19.7	36.6	39.4	39.4	39.4	39.4	39.4	39.4
TOTAL	14	26	28	28	28	28	28	28

TOTAL NUMBER OF OBS: 71

PCT FREQ NH <5/8: 60.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
2.7	12.0	13.3	14.7	17.3	5.3	8.0	6.7	20.0	.0	75

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1882-1977

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.5	.3	.0	.0	.0	.0	.0	.0	.8	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.5	.3	.0	.0	.0	.0	.0	.0	.8	
1/2<1	PCP	.2	.1	.2	.6	.0	.0	.0	.0	.0	.0	1.1	
	NO PCP	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.3	
	TOT %	.2	.1	.4	.7	.0	.0	.0	.0	.0	.0	1.3	
1<2	PCP	.0	.0	.4	.4	.0	.0	.0	.0	.0	.0	.8	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.4	.4	.0	.0	.0	.0	.0	.0	.8	
2<5	PCP	.0	.0	.7	.4	.5	.1	.0	.0	.0	.0	1.6	
	NO PCP	.0	.3	2.2	2.6	.5	.0	.0	.5	.0	.0	6.1	
	TOT %	.0	.3	2.8	3.0	1.0	.1	.0	.5	.0	.0	7.6	
5<10	PCP	.0	.5	1.8	2.9	.9	.5	.0	.3	.0	.0	6.8	
	NO PCP	.3	1.4	8.2	11.5	4.1	.5	.4	.1	.0	1.8	28.4	
	TOT %	.3	2.0	10.0	14.4	5.0	1.0	.4	.4	.0	1.8	35.3	
10+	PCP	.0	.3	.7	1.7	.0	.0	.0	.0	.0	.0	2.6	
	NO PCP	.5	3.1	11.6	27.1	3.9	1.8	.0	.8	.0	2.9	51.6	
	TOT %	.5	3.4	12.2	28.8	3.9	1.8	.0	.8	.0	2.9	54.2	
	TOT OBS												380
	TOT PCT	.9	5.7	26.3	47.6	9.9	2.8	.4	1.7	.0	4.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.2	.1	.0	.0	.0	.0	.0	.3	.5	
	4-10	.0	.0	.5	.8	.0	.0	.0	.0	.0		1.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.7	.8	.0	.0	.0	.0	.0	.3	1.8	
1/2<1	0-3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	4-10	.2	.1	.8	.7	.0	.0	.0	.0	.0		1.8	
	11-21	.0	.0	.2	.1	.0	.0	.0	.0	.0		.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.2	.1	1.0	1.0	.0	.0	.0	.0	.0	.0	2.3	
1<2	0-3	.0	.0	.3	.3	.0	.0	.0	.0	.0	.0	.5	
	4-10	.0	.0	.7	.9	.2	.0	.3	.0	.0		2.0	
	11-21	.0	.0	.4	.1	.2	.0	.0	.0	.0		.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	1.4	1.3	.4	.0	.3	.0	.0	.0	3.3	
2<5	0-3	.0	.0	.8	.8	.8	.0	.0	.3	.0	.0	2.5	
	4-10	.0	.3	1.4	1.6	.0	.0	.0	.3	.0		3.5	
	11-21	.0	.0	.5	.5	.2	.1	.0	.0	.0		1.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.3	2.7	2.8	.9	.1	.0	.5	.0	.0	7.3	
5<10	0-3	.3	.8	1.9	4.1	1.0	.3	.0	.0	.0	1.8	10.0	
	4-10	.0	1.0	5.3	5.9	2.4	.4	.0	.3	.0		15.3	
	11-21	.0	.1	2.1	3.4	1.4	.3	.4	.1	.0		7.8	
	22+	.0	.0	.3	.5	.0	.0	.0	.0	.0		.8	
	TOT %	.3	1.9	9.5	13.9	4.8	.9	.4	.4	.0	1.8	33.8	
10+	0-3	.3	1.3	3.8	10.3	.6	.6	.0	.0	.0	2.8	19.5	
	4-10	.2	1.9	5.1	11.9	1.8	.6	.0	.5	.0		22.0	
	11-21	.0	.0	2.8	5.4	1.3	.6	.0	.3	.0		10.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.4	3.2	11.6	27.6	3.7	1.7	.0	.8	.0	2.8	51.8	
	TOT OBS												400
	TOT PCT	.9	5.4	26.9	47.4	9.8	2.7	.6	1.6	.0	4.8	100.0	

JULY

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1882-1977

AREA 0006 SOLOMON ISLANDS SW
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	5.6	16.7	5.6	.0	.0	.0	.0	.0	27.8	72.2	18
06&09	.0	.0	.0	12.5	25.0	8.3	.0	.0	.0	.0	45.8	54.2	24
12&15	.0	.0	.0	16.7	11.1	.0	.0	.0	.0	.0	27.8	72.2	18
18&21	.0	.0	15.4	7.7	15.4	15.4	.0	.0	.0	.0	53.8	46.2	13
TOT	0	0	3	10	11	4	0	0	0	0	28	43	73
PCT	.0	.0	4.1	13.7	15.1	5.5	.0	.0	.0	.0	38.4	61.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	10.5	89.5	19
06&09	2.2	3.8	5.9	12.4	40.9	34.9	186
12&15	.0	.0	.0	.0	21.1	78.9	19
18&21	1.4	1.0	1.0	3.8	36.4	56.5	209
TOT	7	9	13	31	158	215	433
PCT	1.6	2.1	3.0	7.2	36.5	49.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <3000	<600 <1	<1000 <3	1000+ AND3+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	5.9	23.5	5.9	70.6	17
06&09	.0	.0	17.4	30.4	52.2	23
12&15	.0	.0	16.7	11.1	72.2	18
18&21	.0	15.4	23.1	30.8	46.2	13
TOT	0	3	14	14	43	71
PCT	.0	4.2	19.7	19.7	60.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.0	.0	.3	1	.3
90/94	.0	.0	.0	.3	.0	.3	.0	.0	2	.6
85/89	.0	.0	.3	.3	.6	5.6	7.5	3.8	58	18.2
80/84	.0	.0	.0	.0	1.3	10.3	31.7	24.1	215	67.4
75/79	.0	.0	.0	.0	.3	.0	2.8	10.0	42	13.2
70/74	.0	.0	.0	.0	.0	.0	.3	.0	1	.3
TOTAL	0	0	1	2	7	32	135	122	319	100.0
PCT	.0	.0	.3	.6	2.2	10.3	42.3	38.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
.0	.0	.0	.6	.0	.0	.0	.0	.0	.0
.0	.8	4.9	8.7	.9	.7	.0	.6	.0	1.6
.8	4.2	20.3	30.1	6.3	1.1	.3	.6	.0	3.8
.0	.6	3.1	5.3	2.6	.6	.3	.0	.0	.6
.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
.8	5.6	28.3	45.4	9.7	2.4	.6	1.3	.0	6.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	87	86	86	81	73	73	73	80.8	18
06&09	96	89	87	83	78	77	76	82.7	187
12&15	83	82	82	81	76	76	76	80.9	20
18&21	90	89	86	82	78	77	75	81.9	210
TOT	96	89	87	82	78	77	73	82.2	435

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	5.9	29.4	52.9	11.8	83	17
06&09	.0	1.4	2.8	16.9	38.0	40.8	86	142
12&15	.0	.0	.0	20.0	65.0	15.0	84	20
18&21	.0	.7	1.3	15.1	40.8	42.1	87	152
TOT	0	3	7	56	138	127	86	331

JULY

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1882-1977

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
5	.0	.0	.0	.4	.4	2	.0	.8
4	.0	.0	1.2	1.2	.0	6	.0	2.4
3	.0	.0	2.0	2.4	.0	11	.0	4.3
2	.0	.4	5.1	2.4	.0	20	.0	7.8
1	.0	.8	6.7	2.4	.0	25	.4	9.4
0	.0	6.7	6.3	1.2	.0	36	.0	14.1
-1	.0	2.4	8.2	.8	.0	29	.0	11.4
-2	.8	6.3	9.4	.4	.0	43	.0	16.9
-3	.0	4.7	7.8	.0	.0	32	.0	12.5
-4	.0	5.1	4.3	.0	.0	24	.0	9.4
-5	.0	2.0	2.4	.0	.0	11	.0	4.3
-6	.0	3.9	.4	.0	.0	11	.0	4.3
-7/-8	.0	1.6	.0	.0	.0	4	.0	1.6
-9/-10	.0	.4	.0	.0	.0	1	.0	.4
TOTAL	2	87	137	28	1	295	1	254
PCT	.8	34.1	53.7	11.0	.4	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.7	.0	.0	.0	.0	.0	1.7
1-2	.0	1.3	.0	.0	.0	.0	1.3
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.7	1.3	.0	.0	.0	.0	3.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.1	.0	.0	.0	.0	2.1
1-2	.0	2.1	.4	.0	.0	.0	2.5
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.2	.4	.0	.0	.0	4.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.3	.0	.0	.0	.0	1.3
1-2	.0	6.4	1.3	.0	.0	.0	7.6
3-4	.0	5.4	7.6	.0	.0	.0	11.0
5-6	.0	.0	4.7	.0	.0	.0	4.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	1.7	.0	.0	1.7
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.8	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	11.0	13.6	1.7	.0	.0	26.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	5.9	11.0	.0	.0	.0	16.9
3-4	.0	.0	6.4	.0	.0	.0	6.4
5-6	.0	.0	8.9	.0	.0	.0	8.9
7	.0	.0	1.7	.0	.0	.0	1.7
8-9	.0	.0	2.1	.0	.0	.0	2.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.9	30.1	.0	.0	.0	36.0

PERIOD: (OVER-ALL) 1963-1977 JULY AREA 0006 SOLOMON ISLANDS SW

TABLE 18 (CONT) 8.0S 159.3E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.7	.0	.0	.0	.0	1.7
1-2	.0	2.5	3.8	.0	.0	.0	6.4
3-4	.0	.0	8.9	.0	.0	.0	8.9
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	1.3	.0	.0	.0	1.3
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.2	14.0	.0	.0	.0	18.2

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	1.7	.4	3.8	.0	.0	.0	5.9
3-4	.0	.0	.8	.0	.0	.0	.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.4	4.7	.0	.0	.0	6.8

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	1.7	.0	.0	.0	1.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	1.7	.0	.0	.0	1.7

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	1.7	1.7	.0	.0	.0	3.4	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	1.7	1.7	.0	.0	.0	3.4	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.7	6.7	.0	.0	.0	.0	8.3	
1-2	1.7	20.0	21.7	.0	.0	.0	43.3	
3-4	.0	3.3	23.3	.0	.0	.0	26.7	
5-6	.0	.0	15.0	.0	.0	.0	15.0	
7	.0	.0	1.7	.0	.0	.0	1.7	
8-9	.0	.0	3.3	.0	.0	.0	3.3	
10-11	.0	.0	.0	1.7	.0	.0	1.7	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.3	30.0	65.0	1.7	.0	.0	100.0	60

PERIOD: (OVER-ALL) 1958-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.9	8.7	20.3	18.0	4.3	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	55	4
6-7	.0	1.4	11.6	5.8	2.9	4.3	1.4	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	5
8-9	.0	.0	.0	2.9	.0	1.4	1.4	1.4	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	9
10-11	.0	.0	.0	.0	.0	.0	.0	2.9	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	12
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
INDET	.0	1.4	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	3
TOTAL	2	8	25	15	5	5	2	5	2	0	0	0	0	0	0	0	0	0	0	69	5
PCT	2.9	11.6	36.2	21.7	7.2	7.2	2.9	7.2	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1902-1977
(OVER-ALL) 1879-1977

AREA 0006 SOLOMON ISLANDS SW
8.5S 158.9E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	.0	16.4	.0	.0	.0	.0	.0	16.4	.0	6.0	.0	.0	.0		.0	77.6
NE	11.0	9.0	2.8	.0	.0	.0	.0	22.8	.0	2.8	.0	.0	.0		.0	74.5
E	6.7	7.1	1.8	.0	.0	.0	.0	15.6	2.0	5.7	1.4	.0	3.2		.0	75.0
SE	7.4	11.0	2.4	.0	.0	.0	.0	20.8	1.6	4.0	1.0	.0	1.3		.0	72.3
S	6.9	10.0	2.2	.0	.0	.0	.0	19.0	1.2	5.0	.0	.0	.0		.0	78.5
SW	5.0	12.0	.0	.0	.0	.0	.0	17.0	4.0	.0	.0	.0	.0		.0	79.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NW	8.0	.0	.0	.0	.0	.0	.0	8.0	.0	8.0	.0	.0	.0		.0	84.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	12.5	.0	.0	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0		.0	87.5
TOT PCT	7.1	9.4	1.9	.0	.0	.0	.0	18.4	1.5	4.4	.8	.0	1.3		.0	75.3
TOT OBS:	523															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00&03	4.2	4.2	4.2	.0	.0	.0	.0	12.5	8.3	.0	4.2	.0	4.2		.0	70.8
06&09	5.0	9.5	.4	.0	.0	.0	.0	14.9	.4	2.5	.4	.0	2.1		.0	79.8
12&15	.0	12.5	4.2	.0	.0	.0	.0	16.7	16.7	.0	.0	.0	.0		.0	66.7
18&21	9.1	9.4	2.5	.0	.0	.0	.0	21.0	.4	6.5	.7	.0	.4		.0	74.3
TOT PCT	6.7	9.4	1.8	.0	.0	.0	.0	17.8	1.4	4.2	.7	.0	1.2		.0	76.1
TOT OBS:	566															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.9	1.6	.0	.0	.0	.0		3.5	4.3	.0	.0	3.2	3.9	.0	.0	3.3	4.1
NE	3.4	3.0	.3	.4	.0	.0		7.0	5.4	4.3	.0	4.8	8.9	9.8	.0	3.3	7.0
E	6.7	16.2	4.4	.0	.0	.0		27.3	6.6	35.9	.0	19.0	33.4	30.4	.0	18.0	25.7
SE	10.4	19.7	7.5	.4	.0	.0		38.1	7.4	34.8	100.0	33.5	37.8	31.5	.0	38.5	40.4
S	3.3	7.4	4.1	.0	.0	.0		14.8	7.7	19.6	.0	34.7	7.3	15.2	.0	31.6	10.3
SW	1.5	2.7	.2	.0	.0	.0		4.4	4.9	1.1	.0	3.2	3.4	13.0	.0	3.7	5.5
W	.3	.4	.0	.0	.0	.0		.7	3.6	.0	.0	.0	.0	.0	.0	.0	2.0
NW	1.4	1.2	.0	.0	.0	.0		2.6	3.6	.0	.0	.0	3.9	.0	.0	1.6	3.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6							1.6	.0	4.3	.0	1.6	1.5	.0	.0	.0	2.0
TOT OBS	172	296	93	4	0	0	565		6.6	23	1	62	194	23	0	61	201
TOT PCT	30.4	52.4	16.5	.7	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.7	.8	.0	.0	.0		3.5	4.3	.0	3.7	.0	3.9
NE	5.3	1.2	.4	.0	.0		7.0	5.4	4.2	7.9	9.8	6.1
E	17.4	8.9	1.0	.0	.0		27.3	6.6	34.4	29.9	30.4	24.0
SE	21.1	13.9	3.1	.0	.0		38.1	7.4	37.5	36.7	31.5	40.0
S	6.4	6.2	.2	.0	.0		14.8	7.7	18.8	14.0	15.2	15.3
SW	3.7	.8	.0	.0	.0		4.4	4.9	1.0	3.3	13.0	5.1
W	.7	.0	.0	.0	.0		.7	3.6	.0	.0	.0	1.5
NW	2.4	.2	.0	.0	.0		2.6	3.6	.0	2.9	.0	2.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.6						1.6	.0	4.2	1.6	.0	1.5
TOT OBS	346	192	27	0	0	965		6.6	24	256	23	262
TOT PCT	61.2	34.0	4.8	.0	.0		100.0		100.0	100.0	100.0	100.0

AUGUST

PERIOD: (PRIMARY) 1902-1977
(OVER-ALL) 1875-1977

AREA 0006 SOLOMON ISLANDS SW
8.5S 158.9E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	4.2	8.3	41.7	45.8	.0	.0	.0	10.7	100.0	24
06&09	1.6	32.4	52.3	13.7	.0	.0	.0	6.0	100.0	256
12&15	.0	4.3	47.8	34.8	13.0	.0	.0	11.2	100.0	23
18&21	1.5	29.4	53.8	14.9	.4	.0	.0	6.4	100.0	262
TOT	9	163	296	93	4	0	0	6.6		565
PCT	1.6	28.8	52.4	16.5	.7	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	1.6	1.6	.0		4.8
E	.0	8.3	9.1	11.5		6.3
SE	3.6	11.1	13.5	15.9		5.8
S	2.4	4.0	7.5	3.2		5.4
SW	.4	.4	1.6	1.6		6.5
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	1.6	1.6	.0		5.0
TOT OBS	4	17	22	20	63	5.8
TOT PCT	6.3	27.0	34.9	31.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	3.2	
E	.0	.0	.0	10.3	.0	4.4	1.6	.0	.0	.0	12.7	
SE	1.6	.0	.0	8.7	7.9	.8	.0	.0	.0	.0	24.6	
S	.0	.0	.0	1.6	4.8	2.8	.0	.0	.0	.0	7.9	
SW	.0	.0	.0	.0	1.6	.0	.0	.0	.0	.0	2.4	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	
TOT OBS	1	0	0	13	9	5	1	0	0	0	34	63
TOT PCT	1.6	.0	.0	20.6	14.3	7.9	1.6	.0	.0	.0	54.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >3OYD	* OR >0
* OR >8300	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3300	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
* OR >2000	7.6	9.1	9.1	9.1	9.1	9.1	9.1	9.1
* OR >1000	19.7	22.7	24.2	24.2	24.2	24.2	24.2	24.2
* OR >600	31.8	39.4	43.9	43.9	43.9	43.9	43.9	43.9
* OR >300	31.8	39.4	43.9	43.9	43.9	43.9	43.9	43.9
* OR >150	31.8	39.4	43.9	43.9	43.9	43.9	43.9	43.9
* OR > 0	31.8	40.9	45.5	45.5	45.5	45.5	45.5	45.5
TOTAL	21	27	30	30	30	30	30	30

TOTAL NUMBER OF OBS: 66

PCT FREQ NH <5/8: 54.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.0	5.3	17.1	14.5	14.5	6.6	10.5	14.5	15.8	1.3	76

AUGUST

PERIOD: (PRIMARY) 1902-1977
(OVER-ALL) 1875-1977

TABLE 8

AREA 0006 SOLOMON ISLANDS SW
8.5S 158.9E

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.2	.1	.2	.3	*	.0	.0	.0	.0	1.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.2	.1	.2	.3	*	.0	.0	.0	.0	1.0	
1/2<1	PCP	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4	
	NO PCP	.0	.0	.4	1.1	.0	.0	.0	.0	.0	.0	1.5	
	TOT %	.0	.0	.4	1.5	.0	.0	.0	.0	.0	.0	1.9	
1<2	PCP	.0	.0	.3	.7	.0	.0	.0	.0	.0	.0	1.0	
	NO PCP	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0	.4	
	TOT %	.0	.0	.3	.9	.1	.0	.0	.0	.0	.0	1.3	
2<5	PCP	.0	.0	.0	1.1	.3	.0	.0	.0	.0	.0	1.3	
	NO PCP	.3	.4	3.0	2.5	.7	.2	.0	.2	.0	.0	7.5	
	TOT %	.3	.4	3.0	3.6	1.0	.2	.0	.2	.0	.0	8.8	
5<10	PCP	.2	1.0	3.0	4.9	2.3	.8	.0	.2	.0	.0	12.2	
	NO PCP	1.1	2.2	6.7	12.9	8.1	2.2	.0	1.0	.0	.4	34.6	
	TOT %	1.3	3.2	9.7	17.8	10.4	2.9	.0	1.2	.0	.4	46.8	
10+	PCP	.3	.4	.8	.7	.0	.0	.0	.0	.0	.2	2.5	
	NO PCP	1.2	2.8	12.6	13.3	3.4	1.6	.8	1.0	.0	1.0	37.7	
	TOT %	1.6	3.2	13.4	14.1	3.4	1.6	.8	1.0	.0	1.1	40.2	
	TOT OBS												523
	TOT PCT	3.2	6.9	27.0	38.1	15.3	4.8	.8	2.4	.0	1.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.2	.5	.4	.0	.0	.0	.2	.0	.0	1.3	
	4-10	.0	.4	.0	.0	.3	*	.0	.0	.0		.7	
	11-21	.0	.0	.0	.0	.2	.0	.0	.0	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.6	.5	.4	.5	*	.0	.2	.0	.0	2.2	
1/2<1	0-3	.0	.0	.4	.9	.2	.0	.0	.0	.0	.0	1.4	
	4-10	.0	.0	.5	.5	.0	.0	.0	.0	.0		1.1	
	11-21	.0	.0	.0	.7	.0	.0	.0	.0	.0		.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.9	2.2	.2	.0	.0	.0	.0	.0	3.2	
1<2	0-3	.1	.0	.3	.4	.0	.0	.0	*	.0	.0	.9	
	4-10	.0	.0	.5	1.5	.0	.0	.0	.0	.0		2.0	
	11-21	.0	.0	.1	.5	.1	.0	.0	.0	.0		.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.1	.0	.9	2.4	.1	.0	.0	*	.0	.0	3.6	
2<5	0-3	.1	.2	.5	1.0	.1	.0	.0	.2	.0	.0	2.2	
	4-10	.2	.2	1.9	1.6	.7	.2	.0	.0	.0		4.7	
	11-21	.0	.0	.5	.8	.1	.0	.0	.0	.0		1.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.3	.4	2.8	3.4	.9	.2	.0	.2	.0	.0	8.3	
5<10	0-3	.4	1.6	2.6	4.1	2.2	.9	.0	.5	.0	.4	12.6	
	4-10	.9	1.2	5.5	10.4	5.3	1.7	.0	.6	.0		25.5	
	11-21	.0	.2	1.3	2.1	2.3	.2	.0	.0	.0		6.1	
	22+	.0	.0	.0	.2	.0	.0	.0	.0	.0		.2	
	TOT %	1.2	3.0	9.3	16.8	9.8	2.8	.0	1.1	.0	.4	44.4	
10+	0-3	.9	1.4	2.7	3.9	.6	.6	.3	.4	.0	1.1	11.9	
	4-10	.6	1.4	7.8	5.8	1.3	.9	.4	.6	.0		18.8	
	11-21	.0	.1	2.3	3.5	1.3	.0	.0	.0	.0		7.2	
	22+	.0	.2	.0	.2	.0	.0	.0	.0	.0		.4	
	TOT %	1.6	3.0	12.8	13.3	3.2	1.5	.7	1.0	.0	1.1	38.3	
	TOT OBS												994
	TOT PCT	3.2	6.9	27.3	38.4	14.8	4.5	.7	2.6	.0	1.4	100.0	

AUGUST

PERIOD: (PRIMARY) 1902-1977
(OVER-ALL) 1875-1977

AREA 0006 SOLOMON ISLANDS SW
8.5S 158.9E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <3/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	25.0	8.3	16.7	4.2	.0	.0	.0	54.2	45.8	24
06&09	.0	.0	.0	8.3	8.3	.0	.0	.0	.0	.0	16.7	83.3	12
12&15	.0	.0	.0	11.1	33.3	5.6	.0	.0	.0	.0	50.0	50.0	18
18&21	6.7	.0	.0	26.7	6.7	.0	.0	.0	.0	.0	40.0	60.0	15
TOT	1	0	0	13	10	5	1	0	0	0	30	39	69
PCT	1.4	.0	.0	18.8	14.5	7.2	1.4	.0	.0	.0	43.5	56.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	4.2	25.0	70.8	24
06&09	4.1	4.4	5.5	12.5	50.6	22.9	271
12&15	.0	.0	.0	4.2	4.2	91.7	24
18&21	.4	2.2	1.8	4.7	50.2	40.9	279
TOT	12	18	20	49	284	215	598
PCT	2.0	3.0	3.3	8.2	47.5	36.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	29.2	25.0	45.8	24
06&09	.0	.0	8.3	8.3	83.3	12
12&15	.0	.0	18.8	43.8	37.5	16
18&21	7.1	7.1	42.9	7.1	50.0	14
TOT	1	1	17	15	34	66
PCT	1.5	1.5	25.8	22.7	51.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.0	.0	.3	1	.3
85/89	.0	.0	.3	.0	.8	4.5	3.5	4.3	50	13.3
80/84	.0	.0	.0	.3	.8	8.5	31.6	26.9	256	68.1
75/79	.0	.0	.0	.0	.0	.3	4.0	13.0	65	17.3
65/69	.0	.0	.0	.0	.0	.5	.0	.0	2	.5
60/64	.0	.0	.0	.0	.0	.5	.0	.0	2	.5
TOTAL	0	0	1	1	6	54	147	167	376	100.0
PCT	.0	.0	.3	.3	1.6	14.4	39.1	44.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.1	.2	.0	.0	.0	.0	.0
.5	.9	5.5	3.9	1.1	.0	.2	.9	.0	.3
3.1	4.1	21.1	25.7	6.5	2.7	.7	2.3	.0	1.9
.3	2.7	4.9	6.6	1.9	.4	.0	.3	.0	.3
.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
.0	.5	.0	.0	.0	.0	.0	.0	.0	.0
3.9	8.2	32.0	36.2	9.8	3.1	.9	3.5	.0	2.4

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	89	88	86	82	80	79	79	82.4	24
06&09	95	91	88	82	78	76	67	82.4	272
12&15	82	81	81	80	64	64	64	79.0	25
18&21	89	88	86	81	77	77	76	80.9	282
TOT	95	90	87	81	77	76	64	81.5	603

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	5.3	47.4	42.1	5.3	79	19
06&09	.0	.6	1.9	12.7	38.0	46.8	88	158
12&15	.0	.0	.0	24.0	60.0	16.0	85	25
18&21	.0	.6	1.1	11.1	37.2	50.0	88	180
TOT	0	2	6	55	150	169	87	382

PERIOD: (PRIMARY) 1902-1977
(OVER-ALL) 1875-1977

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8.5S 158.9E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
11/13	.0	.0	.0	.0	.0	.0	.0	.0	.2	1	.0	.2
7/8	.0	.0	.0	.0	.0	.0	.2	2.2	.0	11	.0	2.4
6	.0	.0	.0	.0	.0	.2	.2	.4	.0	4	.0	.9
5	.0	.0	.0	.0	.0	.0	1.1	.7	.0	8	.0	1.8
4	.0	.0	.0	.0	.2	.4	2.4	.0	.0	14	.0	3.1
3	.0	.0	.0	.0	.2	1.8	4.2	.0	.0	28	.2	6.0
2	.0	.0	.0	.0	.7	4.4	3.1	.0	.0	37	.2	7.9
1	.0	.0	.0	.2	2.2	7.7	1.5	.0	.0	53	.2	11.5
0	.0	.0	.0	.0	4.0	7.5	.4	.0	.0	54	.0	11.9
-1	.0	.0	.0	.0	5.1	8.8	.0	.0	.0	63	.0	13.9
-2	.0	.0	.0	.0	4.4	7.5	.0	.0	.0	54	.2	11.7
-3	.0	.0	.0	.0	7.7	4.4	.0	.0	.0	56	.0	12.1
-4	.0	.0	.0	.2	5.1	2.0	.0	.0	.0	33	.0	7.3
-5	.0	.0	.0	.0	3.8	.7	.0	.0	.0	20	.0	4.4
-6	.0	.0	.0	.0	1.8	.0	.0	.0	.0	8	.0	1.8
-7/-8	.0	.2	.0	.2	1.1	.2	.0	.0	.0	8	.0	1.8
-9/-10	.2	.0	.0	.0	.0	.2	.0	.0	.0	2	.0	.4
TOTAL	1	1	0	3	164	208	60	15	1	453	4	449
PCT	.2	.2	.0	.7	36.2	45.9	13.2	3.3	.2	100.0	.9	99.1

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.0	.0	.0	.0	.0	2.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.0	.0	.0	.0	.0	2.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	6.3	.0	.0	.0	.0	6.3
1-2	1.6	12.1	1.2	.0	.0	.0	14.8
3-4	.0	1.6	4.7	.0	.0	.0	6.3
5-6	.0	1.6	1.2	.0	.0	.0	2.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	21.5	7.0	.0	.0	.0	30.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.6	.0	.0	.0	.0	1.6
1-2	.0	12.1	2.3	.0	.0	.0	14.5
3-4	.0	3.1	7.8	.0	.0	.0	10.9
5-6	.0	1.6	11.3	.0	.0	.0	12.9
7	.0	.0	1.6	.0	.0	.0	1.6
8-9	.0	.0	1.6	.0	.0	.0	1.6
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	18.4	24.6	.0	.0	.0	43.0

PERIOD: (OVER-ALL) 1963-1977

AUGUST

TABLE 18 (CONT)

AREA 0006 SOLOMON ISLANDS SW
8.5S 158.9E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.2	.0	.0	.0	.0	.0	1.2	.4	.0	.0	.0	.0	.0	.4
1-2	.0	6.6	1.2	.0	.0	.0	7.8	1.6	3.1	.0	.0	.0	.0	4.7
3-4	.0	1.2	6.3	.0	.0	.0	7.4	.0	.4	.0	.0	.0	.0	.4
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	7.8	7.4	.0	.0	.0	16.4	2.0	3.5	.0	.0	.0	.0	5.5

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	96.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	7.6	7.6	.0	.0	.0	.0	15.2	
1-2	3.0	34.8	4.5	.0	.0	.0	42.4	
3-4	.0	6.1	18.2	.0	.0	.0	24.2	
5-6	.0	3.0	12.1	.0	.0	.0	15.2	
7	.0	.0	1.5	.0	.0	.0	1.5	
8-9	.0	.0	1.5	.0	.0	.0	1.5	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	10.6	51.5	37.9	.0	.0	.0	100.0	66

PERIOD: (OVER-ALL) 1954-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.3	17.1	14.3	8.6	.0	1.4	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	3
6-7	.0	1.4	7.1	12.9	2.9	1.4	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	5
8-9	.0	1.4	2.9	4.3	2.9	1.4	1.4	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	6
10-11	.0	.0	1.4	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	6
12-13	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDEF	2.9	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	1
TOTAL	3	14	20	18	6	3	1	1	1	1	0	0	0	0	0	0	0	0	0	70	4
PCT	7.1	20.0	28.6	25.7	8.6	4.3	1.4	1.4	1.4	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1902-1977
(OVER-ALL) 1864-1977

AREA 0006 SOLOMON ISLANDS SW
8.8S 159.2E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	13.3	.0	.0	.0	.0	.0	.0	13.3	.0	.0	.0	.0	.0	.0	.0	86.7
NE	7.1	7.6	.0	.0	.0	.0	.0	14.7	2.9	7.1	.0	.0	4.7	.0	.0	75.3
E	3.0	5.8	3.9	.0	.0	.0	.0	12.6	.6	1.1	.0	.0	4.8	.0	.0	80.9
SE	7.6	6.6	.8	.0	.0	.0	.0	17.0	1.4	4.8	.0	.0	.7	.0	.0	79.1
S	8.8	3.5	1.8	.0	.0	.0	.0	14.0	.0	1.8	1.8	.0	.0	.0	.0	84.2
SW	10.4	10.4	.0	.0	.0	.0	.0	20.9	.0	3.3	.0	.0	.9	.0	.0	74.8
W	8.3	.0	.0	.0	.0	.0	.0	8.3	.0	.0	11.1	.0	8.3	.0	.0	72.2
NW	2.4	.0	.0	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	97.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	6.6	6.6	1.6	.0	.0	.0	.0	14.8	1.0	3.1	.4	.0	2.1	.0	.0	80.3
TOT OBS:	512															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
06&09	8.7	7.9	2.4	.0	.0	.0	.0	18.9	1.2	4.7	.4	.0	3.5	.0		73.6
12&15	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0	.0	.0	.0	.0		92.3
18&21	7.0	5.9	.7	.0	.0	.0	.0	13.7	.4	3.3	.4	.0	.7	.0		84.1
TOT PCT	7.4	6.5	1.5	.0	.0	.0	.0	15.4	.9	3.8	.4	.0	2.0	.0		79.9
TOT OBS:	551															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.6	1.1	.1	.0	.0	.0		2.9	4.3	.0	.0	2.3	3.5	.0	.0	3.6	2.6
NE	3.6	4.1	.4	.0	.0	.0		8.0	4.5	17.3	.0	11.9	6.2	9.1	.0	21.4	7.0
E	8.6	13.1	3.8	.4	.0	.0		26.0	6.3	36.5	.0	18.8	26.3	15.9	75.0	14.3	28.2
SE	13.4	21.0	5.9	.9	.0	.0		41.1	6.7	30.8	.0	44.3	39.1	56.8	25.0	41.1	42.6
S	2.4	7.1	1.0	.3	.0	.0		10.7	6.5	15.4	.0	18.2	8.9	18.2	.0	12.5	10.9
SW	3.1	2.7	.2	.0	.0	.0		5.9	4.0	.0	.0	2.3	8.3	.0	.0	3.6	5.0
W	1.4	.5	.0	.0	.0	.0		2.0	2.7	.0	.0	2.3	3.4	.0	.0	.0	.9
NW	2.1	.3	*	.0	.0	.0		2.4	2.2	.0	.0	.0	4.3	.0	.0	.0	1.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.9							.9	.0	.0	.0	.0	.0	.0	.0	.0	1.8
TOT OBS	206	277	64	9	0	0	556		5.9	13	0	44	237	11	2	28	221
TOT PCT	37.1	49.8	11.5	1.6	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.2	.6	.0	.0	.0		2.9	4.3	.0	3.3	.0	2.7
NE	6.7	1.4	.0	.0	.0		8.0	4.5	17.3	7.1	7.7	8.6
E	17.1	8.0	.9	.0	.0		26.0	6.3	36.5	25.1	25.0	26.6
SE	25.1	12.6	3.4	.0	.0		41.1	6.7	30.8	39.9	51.9	42.5
S	7.2	3.2	.3	.0	.0		10.7	6.5	15.4	10.3	15.4	10.7
SW	5.2	.7	.0	.0	.0		5.9	4.0	.0	7.4	.0	4.8
W	2.0	.0	.0	.0	.0		2.0	2.7	.0	3.2	.0	.8
NW	2.3	*	.0	.0	.0		2.4	2.2	.0	3.6	.0	1.2
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.9						.9	.0	.0	.0	.0	2.0
TOT OBS	382	148	26	0	0	556		5.9	13	281	13	249
TOT PCT	68.7	26.6	4.7	.0	.0		100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1902-1977
(OVER-ALL) 1864-1977

AREA 0006 SOLOMON ISLANDS SW
8.0S 159.2E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	7.7	46.2	38.5	7.7	.0	.0	11.6	100.0	13
06&09	.0	37.0	49.8	12.1	1.1	.0	.0	5.9	100.0	281
12&15	.0	23.1	38.5	23.1	15.4	.0	.0	10.6	100.0	13
18&21	2.0	37.3	50.6	8.8	1.2	.0	.0	5.4	100.0	249
TOT	5	201	277	64	9	0	0	5.9		556
PCT	.9	36.2	49.8	11.5	1.6	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	1.9	4.6	.0		4.9
E	6.5	1.9	13.9	.0		4.4
SE	4.6	13.0	26.4	3.7		4.9
S	3.7	5.6	6.9	1.9		4.5
SW	.0	1.9	.0	.0		3.0
W	.0	1.9	.0	.0		3.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	1.9	.0	.0	.0		1.0
TOT OBS	9	14	28	3	54	4.6
TOT PCT	16.7	25.9	51.9	5.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	
.0	.0	.0	.0	.0	1.4	.0	1.9	.0	.0	19.0	
.0	.0	5.6	3.7	1.9	3.7	3.7	.0	.0	.0	29.2	
.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	16.2	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	
0	0	3	2	2	3	2	1	0	0	41	54
.0	.0	5.6	3.7	3.7	5.6	3.7	1.9	.0	.0	75.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >SOYD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
* OR >3500	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
* OR >2000	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
* OR >1000	12.7	16.4	16.4	16.4	16.4	16.4	16.4	16.4
* OR >600	12.7	20.0	20.0	20.0	20.0	20.0	20.0	20.0
* OR >300	14.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
* OR >150	14.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
* OR > 0	14.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
TOTAL	8	14	14	14	14	14	14	14

TOTAL NUMBER OF OBS: 55 PCT FREQ NH <5/8: 74.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.0	16.1	12.9	25.8	16.1	6.5	8.1	8.1	6.5	.0	62

PERIOD: (PRIMARY) 1902-1977
(OVER-ALL) 1864-1977

AREA 000$_6$ SOLOMON ISLANDS SW
8.0S 159.2E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.5	.4	.0	.0	.0	.0	.0	.0	1.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.5	.4	.0	.0	.0	.0	.0	.0	1.0	
1/2<1	PCP	.0	.0	.0	.0	.2	.2	.0	.0	.0	.0	.4	
	NO PCP	.0	.0	.0	.2	.2	.0	.2	.0	.0	.0	.6	
	TOT %	.0	.0	.0	.2	.4	.2	.2	.0	.0	.0	1.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.1	*	.0	.0	.2	
	NO PCP	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.4	
	TOT %	.0	.0	.1	.2	.0	.0	.1	*	.0	.0	.6	
2<5	PCP	.0	.0	.7	1.1	.2	.0	.0	.0	.0	.0	2.0	
	NO PCP	.1	.7	2.2	3.1	1.3	.5	.6	.5	.0	.0	9.0	
	TOT %	.1	.7	2.8	4.2	1.5	.5	.6	.5	.0	.0	11.0	
5<10	PCP	.4	1.2	1.8	4.7	1.0	1.0	.0	.0	.0	.0	10.0	
	NO PCP	1.1	2.3	8.6	12.3	4.9	2.6	.2	.7	.0	.0	32.0	
	TOT %	1.5	3.4	10.4	17.0	5.9	3.5	.2	.7	.0	.0	42.0	
10+	PCP	.0	*	.1	.4	.2	.0	.0	.0	.0	.0	.8	
	NO PCP	1.3	4.2	12.2	18.3	3.8	1.4	.4	.8	.0	1.0	43.6	
	TOT %	1.3	4.2	12.4	18.7	4.0	1.4	.4	.8	.0	1.0	44.4	
	TOT OBS												509
	TOT PCT	2.9	8.3	26.3	40.8	11.2	5.6	1.8	2.0	.0	1.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.2	.0	.3	.2	.0	.2	.0	.0	.0	.0	.9	
	4-10	.0	.0	.5	.2	.2	.0	.0	.0	.0		.9	
	11-21	.0	.0	.0	.2	.0	.0	.0	.0	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.2	.0	.9	.6	.2	.2	.0	.0	.0	.0	2.0	
1/2<1	0-3	.0	.2	.2	.9	.2	.2	.2	.0	.0	.0	1.8	
	4-10	.0	.0	.0	.4	.3	.2	.2	.2	.0		1.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.2	.2	1.3	.5	.4	.4	.2	.0	.0	3.1	
1<2	0-3	.0	.0	.2	.0	.0	.2	.3	.4	.0	.0	1.1	
	4-10	.0	.0	.3	1.4	.0	.0	.0	.0	.0		1.6	
	11-21	.0	.0	.5	.8	.0	.0	.0	.0	.0		1.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	1.0	2.1	.0	.2	.3	.4	.0	.0	4.0	
2<5	0-3	.0	.4	.8	.7	.3	.3	.4	.4	.0	.0	3.3	
	4-10	.0	*	1.6	2.4	.6	.2	.2	.0	.0		5.1	
	11-21	.1	.2	.0	.8	.3	.0	.0	*	.0		1.5	
	22+	.0	.0	.2	*	.1	.0	.0	.0	.0		.4	
	TOT %	.1	.6	2.6	3.9	1.4	.5	.6	.5	.0	.0	10.2	
5<10	0-3	.7	1.5	2.7	4.1	.8	1.4	.2	.5	.0	.0	11.8	
	4-10	.6	1.7	4.9	9.4	3.8	1.7	.0	.1	.0		22.2	
	11-21	.0	.0	1.7	1.9	.4	.2	.0	.0	.0		4.2	
	22+	.0	.0	.3	.5	.0	.0	.0	.0	.0		.7	
	TOT %	1.4	3.2	9.6	15.8	4.9	3.3	.2	.6	.0	.0	39.0	
10+	0-3	.7	1.5	4.6	7.3	1.2	.7	.4	.7	.0	.9	18.0	
	4-10	.5	2.4	5.6	7.5	2.0	.5	.2	.0	.0		18.8	
	11-21	.0	.2	1.6	2.2	.3	.0	.0	.0	.0		4.4	
	22+	.0	.0	.0	.4	.2	.0	.0	.0	.0		.5	
	TOT %	1.2	4.1	11.8	17.3	3.7	1.3	.5	.7	.0	.9	41.7	
	TOT OBS												549
	TOT PCT	2.9	8.2	26.0	41.1	10.7	5.8	2.0	2.4	.0	.9	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1902-1977
(OVER-ALL) 1864-1977

AREA 0006 SOLOMON ISLANDS SW
8.8S 159.2E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	8.3	8.3	.0	.0	.0	.0	16.7	83.3	12
06&09	.0	.0	16.7	5.6	5.6	5.6	5.6	.0	.0	.0	38.9	61.1	18
12&15	.0	.0	.0	9.1	.0	9.1	.0	.0	.0	.0	18.2	81.8	11
18&21	.0	.0	.0	.0	5.9	.0	5.9	5.9	.0	.0	17.6	82.4	17
TOT	0	0	3	2	3	3	2	1	0	0	14	44	58
PCT	.0	.0	5.2	3.4	5.2	5.2	3.4	1.7	.0	.0	24.1	75.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	7.7	92.3	13
06&09	3.4	5.5	7.2	13.9	45.5	22.4	290
12&15	.0	.0	.0	.0	30.8	69.2	13
18&21	.7	.7	.7	3.6	41.2	52.9	274
TOT	12	18	23	56	250	231	590
PCT	2.0	3.1	3.9	9.5	42.4	39.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	16.7	83.3	12
06&09	.0	17.6	23.5	17.6	58.8	17
12&15	.0	.0	9.1	9.1	81.8	11
18&21	.0	.0	.0	20.0	80.0	15
TOT	0	3	5	9	41	55
PCT	.0	5.5	9.1	16.4	74.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.3	.3	.0	.0	.0	.0	.0	2	.5
90/94	.0	.0	.0	.0	.3	.0	.3	.0	2	.5
85/89	.0	.0	.0	.0	.5	5.6	5.3	2.0	53	13.5
80/84	.0	.0	.0	.0	2.5	14.5	33.5	22.1	286	72.6
75/79	.0	.0	.0	.0	.3	.8	3.3	8.6	51	12.9
TOTAL	0	1	1	0	14	82	167	129	394	100.0
PCT	.0	.3	.3	.0	3.6	20.8	42.4	32.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.1	.4	.0	.0	.0	.0	.0	.0	.0
.0	.0	.3	.0	.0	.0	.3	.0	.0	.0
.9	1.0	3.4	5.9	1.0	.5	.2	.6	.0	.0
1.5	5.9	21.4	28.6	5.9	4.4	1.7	2.0	.0	1.0
.2	.6	2.0	5.8	1.7	1.5	.2	.6	.0	.3
2.6	7.6	27.5	40.4	8.6	6.5	2.3	3.3	.0	1.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	86	85	85	82	76	76	76	82.2	13
06&09	90	88	86	82	78	76	76	82.0	293
12&15	82	81	81	81	76	76	76	80.3	13
18&21	99	91	87	81	77	75	75	81.5	276
TOT	99	89	86	82	77	76	75	81.7	595

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	7.7	61.5	23.1	7.7	79	13
06&09	.0	.0	4.2	19.4	45.5	30.9	85	191
12&15	.0	.0	10.0	40.0	30.0	20.0	81	10
18&21	.0	1.1	2.1	17.6	42.2	36.9	86	187
TOT	0	2	14	82	172	131	85	401

SEPTEMBER

PERIOD: (PRIMARY) 1902-1977
(OVER-ALL) 1864-1977

TABLE 17

AREA 0006 SOLOMON ISLANDS SW
8.8S 159.2E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
9/10	.0	.0	.0	.0	.2	1	.0	.2
7/8	.0	.0	.0	.2	.0	1	.0	.2
6	.0	.0	.0	.0	.5	2	.0	.5
5	.0	.0	.0	.5	.5	4	.0	1.0
4	.0	.0	1.2	2.4	.5	17	.0	4.1
3	.0	.0	1.0	4.5	.2	24	.0	5.7
2	.0	.2	3.6	1.9	.0	24	.0	5.7
1	.2	.2	7.4	2.4	.0	43	.0	10.3
0	.0	1.7	8.1	1.4	.0	47	.0	11.2
-1	.0	4.8	8.8	.0	.0	57	.2	13.4
-2	.0	6.0	9.3	.0	.0	64	.2	15.0
-3	.5	6.7	6.9	1.2	.0	64	.0	15.3
-4	.0	3.6	2.6	.0	.0	26	.0	6.2
-5	.5	2.6	1.4	.0	.0	19	.0	4.5
-6	.7	1.9	.7	.0	.0	14	.0	3.3
-7/-8	.2	1.9	.5	.0	.0	11	.0	2.6
-9/-10	.0	.2	.0	.0	.0	1	.0	.2
TOTAL	9	125	216	61	8	419	2	417
PCT	2.1	29.8	51.6	14.6	1.9	100.0	.5	99.5

PERIOD: (OVER-ALL) 1903-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.1	.5	.0	.0	.0	2.6
3-4	.0	.5	2.1	.0	.0	.0	2.6
5-6	.0	.2	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.6	2.6	.0	.0	.0	5.2

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	5.7	3.6	.0	.0	.0	9.4
3-4	.0	7.3	5.2	.0	.0	.0	12.5
5-6	.0	.0	1.6	.0	.0	.0	1.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	13.0	10.4	.0	.0	.0	23.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.6	6.3	2.1	.0	.0	.0	10.9
1-2	.0	8.9	.0	.0	.0	.0	8.9
3-4	2.1	4.7	7.3	.0	.0	.0	14.1
5-6	.0	.0	4.7	.0	.0	.0	4.7
7	.0	.0	2.1	.0	.0	.0	2.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	4.7	19.8	16.1	.0	.0	.0	40.6

PERIOD: (OVER-ALL) 1963-1977 SEPTEMBER AREA 0006 SOLOMON ISLANDS SW
TABLE 18 (CONT) 8.0S 159.2E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	3.6	.0	.0	.0	.0	.0	3.6
1-2	4.2	6.3	.0	.0	.0	.0	10.4
3-4	.0	4.2	2.1	.0	.0	.0	6.3
5-6	.0	2.1	.0	2.1	.0	.0	4.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	7.8	12.5	2.1	2.1	.0	.0	24.5

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.1	.0	.0	.0	.0	2.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.1	.0	.0	.0	.0	2.1

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.1	.0	.0	.0	.0	2.1
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.1	.0	.0	.0	.0	2.1

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	97.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	8.2	8.2	2.0	.0	.0	.0	18.4	
1-2	6.1	24.5	4.1	.0	.0	.0	34.7	
3-4	2.0	10.2	10.2	.0	.0	.0	34.7	
5-6	.0	2.0	6.1	2.0	.0	.0	10.2	
7	.0	.0	2.0	.0	.0	.0	2.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								49
TOT PCT	16.3	51.0	30.6	2.0	.0	.0	100.0	

PERIOD: (OVER-ALL) 1959-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.8	16.4	30.9	3.6	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	55	3
6-7	.0	3.6	1.8	9.1	9.1	.0	1.8	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	6
8-9	.0	1.8	.0	1.8	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	9
10-11	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
12-13	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	3.6	1.8	1.8	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	2
TOTAL	3	13	20	10	6	0	2	1	0	0	0	0	0	0	0	0	0	0	0	55	4
PCT	5.5	23.6	36.4	18.2	10.9	.0	3.6	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	23.2	.0	.0	.0	.0	.0	.0	23.2	.0	8.5	.0	.0	.0	.0	.0	73.2
NE	3.1	5.0	2.5	.0	.0	.0	.0	10.6	.0	6.8	.0	.0	.0	.0	.0	82.6
E	6.6	2.6	.9	.0	.0	.0	.0	11.1	1.2	7.8	3.6	.0	.0	.0	.0	79.6
SE	12.6	7.3	1.7	.0	.0	.0	.0	21.6	.8	6.8	.0	.0	1.7	.0	.0	73.9
S	3.8	14.1	.0	.0	.0	.0	.0	17.8	.0	7.8	.0	.0	1.4	.0	.0	77.0
SW	6.6	5.8	5.3	.0	.0	.0	.0	17.1	.0	10.5	.0	.0	.0	.0	.0	72.4
W	9.0	.0	.0	.0	.0	.0	.0	9.0	.0	7.7	.0	.0	.0	.0	.0	88.5
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	.0	.0	.0	.0	.0	97.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.9	1.5	1.5	.0	.0	.0	.0	5.9	2.9	.0	.0	.0	.0	.0	.0	91.2
TOT PCT	7.6	5.2	1.3	.0	.0	.0	.0	14.2	.9	5.9	.7	.0	.7	.0	.0	80.3
TOT OBS:	458															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00&03	5.9	5.9	.0	.0	.0	.0	.0	11.8	.0	.0	.0	.0	.0	.0	.0	88.2
06&09	10.2	6.0	2.1	.0	.0	.0	.0	18.3	.0	7.7	.9	.0	.9	.0	.0	75.7
12&15	11.1	5.6	.0	.0	.0	.0	.0	16.7	16.7	5.6	.0	.0	.0	.0	.0	61.1
18&21	8.6	4.0	.4	.0	.0	.0	.0	10.1	.4	6.0	.8	.0	.4	.0	.0	85.1
TOT PCT	7.9	5.0	1.2	.0	.0	.0	.0	14.1	.8	6.6	.8	.0	.6	.0	.0	80.1
TOT OBS:	518															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.6	1.6	.2	.0	.0	.0		4.4	3.8	.0	.0	5.6	3.0	5.6	.0	8.1	5.1
NE	4.8	3.5	.4	.0	.0	.0		8.7	4.3	.0	.0	10.6	10.5	16.7	.0	.0	8.2
E	8.8	8.6	.7	.2	.0	.0		18.3	4.5	25.0	.0	18.3	16.7	19.4	.0	22.3	18.2
SE	10.8	12.3	4.9	1.0	.0	.0		28.9	6.9	43.3	.0	31.7	27.9	37.5	.0	31.8	26.3
S	5.3	4.9	1.1	.2	.0	.0		11.5	5.7	4.7	.0	25.0	9.3	4.2	.0	24.3	8.8
SW	3.0	1.1	.0	.0	.0	.0		4.1	3.1	.0	.0	2.2	4.7	.0	.0	2.7	5.1
W	2.2	2.0	.0	.0	.0	.0		4.2	3.8	12.5	.0	2.2	3.9	5.6	.0	5.4	3.9
NW	2.6	2.3	.0	.0	.0	.0		5.0	3.8	.0	.0	2.2	7.5	.0	.0	2.7	4.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	14.9							14.9	.0	12.5	.0	2.2	16.7	11.1	.0	2.7	19.7
TOT OBS	255	168	34	6	0	0	463		4.5	16	0	45	174	18	0	37	173
TOT PCT	55.1	36.3	7.3	1.3	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	4.2	.0	.2	.0	.0		4.4	3.8	.0	3.5	5.6	5.6
NE	7.0	1.7	.0	.0	.0		8.7	4.3	.0	10.5	16.7	6.8
E	15.0	3.1	.2	.0	.0		18.3	4.5	25.0	17.0	19.4	18.9
SE	18.1	8.5	2.1	.3	.0		28.9	6.9	43.3	28.7	37.5	27.3
S	7.7	3.5	.2	.2	.0		11.5	5.7	4.7	12.6	4.2	11.5
SW	3.7	.4	.0	.0	.0		4.1	3.1	.0	4.2	.0	4.6
W	3.9	.3	.0	.0	.0		4.2	3.8	12.5	3.5	5.6	4.2
NW	4.4	.5	.0	.0	.0		5.0	3.8	.0	6.3	.0	4.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	14.9						14.9	.0	12.5	13.7	11.1	16.7
TOT OBS	305	84	12	2	0	463		4.5	16	219	18	210
TOT PCT	78.8	18.1	2.6	.4	.0		100.0		100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00603	12.5	18.8	25.0	43.8	.0	.0	.0	9.5	100.0	16
06609	13.7	39.7	39.7	5.9	.9	.0	.0	4.4	100.0	219
12615	11.1	5.6	38.9	27.8	16.7	.0	.0	11.3	100.0	18
18621	16.7	45.2	33.3	4.3	.5	.0	.0	3.6	100.0	210
TOT	69	186	166	34	6	0	0	4.5		463
PCT	14.9	40.2	36.3	7.3	1.3	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	2.1	.0	4.8		6.4
E	1.6	10.1	4.3	5.3		5.2
SE	.5	6.9	22.3	12.7		5.9
S	.0	.0	7.4	1.6		6.3
SW	.0	.0	.0	.0		.0
W	.0	4.3	4.3	.0		4.2
NW	.0	.0	.0	2.1		8.0
VAR	.0	.0	.0	.0		.0
CALM	2.1	4.3	4.3	.0		3.8
TOT OBS	2	13	20	12	47	5.8
TOT PCT	4.3	27.7	42.6	25.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	4.8	
E	.0	.0	.0	2.1	1.6	.0	.0	.0	.0	.0	17.6	
SE	.5	.0	.0	6.4	7.4	12.8	2.1	.0	.0	.0	12.2	
S	1.6	.0	.0	2.1	1.6	.0	.0	.0	.0	.0	3.7	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.5	
NW	.0	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	8.5	
TOT OBS	1	0	1	4	4	6	1	0	0	0	26	47
TOT PCT	2.1	.0	2.1	12.8	12.8	12.8	2.1	.0	.0	.0	55.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) • OR >10	• OR >5	• OR >2	• OR >1	• OR >1/2	• OR >1/4	• OR >5OYD	• OR >0
• OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
• OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
• OR >3500	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
• OR >2000	10.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
• OR >1000	18.0	26.0	28.0	28.0	28.0	28.0	28.0	28.0
• OR >600	28.0	36.0	40.0	40.0	40.0	40.0	40.0	40.0
• OR >300	28.0	36.0	40.0	40.0	40.0	42.0	42.0	42.0
• OR >150	28.0	36.0	40.0	40.0	40.0	42.0	42.0	42.0
• OR > 0	28.0	36.0	40.0	40.0	40.0	44.0	44.0	44.0
TOTAL	14	18	20	20	20	22	22	22

TOTAL NUMBER OF OBS: 50 PCT FREQ NH <5/8: 56.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.0	8.6	13.8	22.4	8.6	10.3	8.6	10.3	15.5	1.7	58

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.2	
	NO PCP	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.0	.2	.0	.1	.2	.0	.0	.0	.0	.0	.4	
1/2<1	PCP	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2	
	NO PCP	.2	.0	.7	.0	.4	.0	.0	.0	.0	.0	1.3	
	TOT %	.2	.0	.7	.0	.7	.0	.0	.0	.0	.0	1.5	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.2	.2	.0	.0	.0	.0	.0	.4	
	TOT %	.0	.0	.0	.2	.2	.0	.0	.0	.0	.0	.4	
2<5	PCP	.4	.2	.0	1.1	.0	.4	.0	.0	.0	.7	2.8	
	NO PCP	.2	.9	1.2	2.1	.2	.0	.2	.5	.0	.9	6.1	
	TOT %	.7	1.1	1.2	3.2	.2	.4	.2	.5	.0	1.5	9.0	
5<10	PCP	.4	.5	1.6	3.9	1.5	.3	.4	.0	.0	.2	8.7	
	NO PCP	1.9	2.9	4.6	7.5	6.0	1.9	.8	1.9	.0	4.6	32.1	
	TOT %	2.3	3.4	6.2	11.4	7.5	2.2	1.1	1.9	.0	4.8	40.8	
10+	PCP	.2	.2	.4	1.1	.2	.0	.0	.0	.0	.0	2.2	
	NO PCP	1.1	3.8	9.7	12.7	2.7	1.5	2.9	2.7	.0	8.5	45.6	
	TOT %	1.3	4.0	10.2	13.8	2.9	1.5	2.9	2.7	.0	8.5	47.8	
	TOT OBS												458
	TOT PCT	4.5	8.8	18.2	28.6	11.6	4.1	4.3	5.0	.0	14.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.2	.0	.0	.0	.0	.0	.0	.0		.2	
	22+	.0	.0	.0	.1	.2	.0	.0	.0	.0		.2	
	TOT %	.0	.2	.0	.1	.2	.0	.0	.0	.0	.0	.4	
1/2<1	0-3	.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.9	
	4-10	.0	.0	.0	.0	.4	.0	.0	.0	.0		.4	
	11-21	.0	.0	.0	.0	.2	.0	.0	.0	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.2	.0	.6	.0	.6	.0	.0	.0	.0	.0	1.5	
1<2	0-3	.0	.0	.2	.4	.0	.0	.0	.0	.0	.2	.9	
	4-10	.0	.0	.0	.2	.2	.0	.0	.0	.0		.4	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.2	.6	.2	.0	.0	.0	.0	.2	1.3	
2<5	0-3	.2	.6	.4	1.1	.2	.0	.0	.4	.0	1.5	4.5	
	4-10	.2	.4	.6	1.8	.0	.4	.2	.1	.0		3.7	
	11-21	.2	.0	.2	.1	.0	.0	.0	.0	.0		.4	
	22+	.0	.0	.0	.2	.0	.0	.0	.0	.0		.2	
	TOT %	.6	1.1	1.2	3.1	.2	.4	.2	.5	.0	1.5	8.9	
5<10	0-3	1.3	1.9	2.2	2.5	3.1	1.7	.4	1.1	.0	4.8	19.0	
	4-10	.9	1.5	3.8	6.3	3.9	.4	.8	.8	.0		18.4	
	11-21	.0	.0	.0	1.9	.4	.0	.0	.0	.0		2.4	
	22+	.0	.0	.2	.5	.0	.0	.0	.0	.0		.6	
	TOT %	2.3	3.4	6.2	11.3	7.4	2.2	1.1	1.8	.0	4.8	40.4	
10+	0-3	.9	2.2	3.3	6.7	2.0	1.3	1.8	1.1	.0	8.4	29.8	
	4-10	.4	1.6	4.2	4.0	.4	.2	1.1	1.5	.0		13.4	
	11-21	.0	.2	.5	2.9	.8	.0	.0	.0	.0		4.1	
	22+	.0	.0	.0	.2	.0	.0	.0	.0	.0		.2	
	TOT %	1.3	4.0	10.0	13.8	2.9	1.3	2.9	2.6	.0	8.4	47.5	
	TOT OBS												463
	TOT PCT	4.4	8.7	18.3	28.9	11.3	4.1	4.2	5.0	.0	14.9	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00603	.0	.0	.0	5.9	11.8	29.4	.0	.0	.0	.0	47.1	52.9	17
06609	.0	.0	8.3	8.3	8.3	8.3	.0	.0	.0	.0	33.3	66.7	12
12615	7.1	.0	.0	21.4	.0	.0	7.1	.0	.0	.0	35.7	64.3	14
18621	.0	.0	.0	10.0	40.0	.0	.0	.0	.0	.0	50.0	50.0	10
TOT	1	0	1	6	7	6	1	0	0	0	22	31	53
PCT	1.9	.0	1.9	11.3	13.2	11.3	1.9	.0	.0	.0	41.5	58.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00603	.0	.0	.0	.0	17.6	82.4	17
06609	.4	1.7	2.5	14.6	55.8	25.0	240
12615	5.6	.0	.0	11.1	5.6	77.8	18
18621	.0	1.6	.0	2.4	37.1	58.9	248
TOT	2	8	6	43	230	234	523
PCT	.4	1.5	1.1	8.2	44.0	44.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NM >4/8), BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	.0	.0	5.9	41.2	52.9	17
06609	.0	9.1	18.2	18.2	63.6	11
12615	7.7	7.7	30.8	7.7	61.5	13
18621	.0	.0	22.2	33.3	44.4	9
TOT	1	2	9	13	28	50
PCT	2.0	4.0	18.0	26.0	56.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.6	.0	.3	.0	3	1.0
90/94	.0	.0	.0	.0	.6	.0	.3	1.0	6	1.9
85/89	.0	.0	.0	.0	.3	11.3	8.7	3.9	75	24.2
80/84	.0	.0	.0	.3	.6	12.9	29.0	17.4	187	60.3
75/79	.0	.0	.0	.0	.0	.3	5.5	6.8	39	12.6
TOTAL	0	0	0	1	7	76	136	90	310	100.0
PCT	.0	.0	.0	.3	2.3	24.5	43.9	29.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.1	.2	.6	.0	.0	.0	.0	.0	.0
.3	.0	.3	.1	.2	.0	.6	.0	.0	.3
.6	2.5	5.7	5.6	1.0	.7	1.2	1.7	.0	5.2
1.6	8.9	11.2	18.6	4.9	2.6	1.8	4.6	.0	11.0
.6	1.4	1.2	4.3	1.6	.4	.6	.0	.0	2.6
3.1	7.8	18.7	29.4	7.8	3.7	4.2	8.3	.0	19.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00603	87	86	86	82	78	78	78	82.1	17
06609	96	92	88	83	78	77	76	83.0	236
12615	83	82	82	80	64	64	64	78.9	16
18621	95	93	87	82	77	76	74	81.9	248
TOT	96	93	88	82	78	76	64	82.3	517

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00603	.0	.0	.0	37.5	62.5	.0	80	16
06609	.0	.7	2.7	23.6	38.5	34.5	85	148
12615	.0	.0	.0	16.7	58.3	25.0	85	12
18621	.0	.0	1.9	22.6	42.1	33.3	85	159
TOT	0	1	7	79	141	107	85	335

OCTOBER

PERIOD: (PRIMARY) 1894-1977
(OVER-ALL) 1882-1977

AREA 0006 SOLOMON ISLANDS SW
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
9/10	.0	.0	.0	.0	.0	.0	.0	.6	.0	2	.0	.6
7/8	.0	.0	.0	.0	.0	.0	.0	1.2	1.2	8	.0	2.4
6	.0	.0	.0	.0	.0	.0	.6	.0	.0	2	.0	.6
5	.0	.0	.0	.0	.0	.0	.6	.9	.0	5	.3	1.2
4	.0	.0	.0	.0	.0	.3	1.8	.3	.0	8	.0	2.4
3	.0	.0	.0	.0	.0	.0	2.4	.0	.0	8	.0	2.4
2	.0	.0	.0	.0	.0	3.3	.9	.0	.0	16	.0	4.2
1	.0	.0	.0	.0	.3	4.8	3.6	.0	.0	29	.0	8.8
0	.0	.0	.0	.0	.9	7.9	3.0	.0	.0	38	.3	11.5
-1	.0	.0	.0	.0	3.6	8.5	.9	.3	.0	44	.0	13.3
-2	.0	.0	.0	.0	5.8	9.7	1.5	.0	.0	56	.3	16.7
-3	.0	.0	.0	.3	4.8	3.9	.6	.0	.0	32	.0	9.7
-4	.0	.0	.0	.3	5.2	3.0	.9	.0	.0	31	.0	9.4
-5	.0	.0	.0	.3	3.9	1.2	.3	.0	.0	19	.3	5.5
-6	.0	.0	.0	.0	1.8	1.5	.0	.0	.0	11	.0	3.3
-7/-8	.0	.0	.0	1.2	1.5	1.2	.0	.0	.0	13	.0	3.9
-9/-10	.0	.0	.0	.3	1.2	.6	.0	.0	.0	7	.0	2.1
-11/-13	.3	.0	.0	.0	.0	.3	.0	.0	.0	2	.0	.6
TOTAL	1	0	0	8	96	153	57	11	4	330	4	326
PCT	.3	.0	.0	2.4	29.1	46.4	17.3	3.3	1.2	100.0	1.2	98.8

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	2.3	.0	.0	.0	2.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	2.3	.0	.0	.0	2.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	5.1	.0	.0	.0	.0	5.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.3	.3
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.1	.0	.0	.0	.3	5.4

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.3	4.5	.0	.0	.0	.0	6.8
1-2	2.3	7.4	.0	.0	.0	.0	9.7
3-4	2.3	4.5	.0	.0	.0	.0	6.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	2.3	.0	.0	.0	2.3
8-9	.0	.0	.0	1.7	.0	.0	1.7
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	6.8	16.5	2.3	1.7	.0	.0	27.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.3	2.3	.0	.0	.0	4.5
1-2	.6	5.7	2.3	.0	.0	.0	8.5
3-4	.0	2.3	13.6	.0	.0	.0	15.9
5-6	.0	.0	4.5	.0	.0	.0	4.5
7	.0	2.3	2.3	.0	.0	.0	4.5
8-9	.0	.0	2.3	2.8	.0	.0	5.1
10-11	.0	.0	2.3	.0	.0	.0	2.3
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	2.3	.0	.0	2.3
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.6	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	12.5	29.5	5.1	.0	.0	47.7

PERIOD: (OVER-ALL) 1963-1977

OCTOBER

AREA 0006 SOLOMON ISLANDS SW
8.7S 159.1E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.3	.0	.0	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0
1-2	1.7	.0	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	4.0	.0	.0	.0	.0	.0	4.0	.0	.0	.0	.0	.0	.0	.0

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	2.3	.0	.0	.0	.0	2.3	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	2.3	.0	.0	.0	.0	2.3	88.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	19.6	8.7	2.2	.0	.0	.0	30.4	
1-2	4.3	17.4	2.2	.0	.0	.0	23.9	
3-4	2.2	6.5	13.0	.0	.0	.0	21.7	
5-6	.0	.0	4.3	.0	.0	.0	4.3	
7	.0	2.2	6.5	.0	.0	.0	8.7	
8-9	.0	.0	2.2	4.3	.0	.0	6.5	
10-11	.0	.0	2.2	.0	.0	.0	2.2	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	2.2	.0	.0	2.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	26.1	34.8	32.6	6.5	.0	.0	100.0	46

PERIOD: (OVER-ALL) 1956-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.1	8.2	10.2	4.1	4.1	2.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	4
6-7	.0	4.1	12.2	6.1	12.2	4.1	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	5
8-9	.0	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
10-11	.0	.0	.0	.0	2.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	9
12-13	.0	.0	4.1	.0	.0	.0	2.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	7
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	6.1	2.0	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	2
TOTAL	5	7	13	5	9	8	3	1	1	0	0	0	0	0	0	0	0	0	0	49	5
PCT	10.2	14.3	26.5	10.2	18.4	16.3	6.1	2.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1942-1976
(OVER-ALL) 1882-1976

AREA 0006 SOLOMON ISLANDS SW
8.9S 159.3E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	.0	6.6	.0	.0	.0	.0	.0	6.6	4.9	6.6	.0	.0	.0	.0	82.0
NE	5.6	1.9	.0	.0	.0	.0	.0	7.5	3.7	3.7	.0	.0	3.7	.0	81.3
E	5.5	.0	1.2	.0	.0	.0	.0	6.8	.0	2.5	3.7	.0	.0	.0	87.1
SE	5.2	1.7	1.1	.0	.0	.0	.0	8.0	.6	.1	1.1	.0	.6	.0	89.6
S	3.8	.0	2.9	.0	.0	.0	.0	6.7	.0	2.9	3.8	.0	.0	.0	86.5
SW	9.1	11.4	1.1	.0	.0	.0	.0	21.6	.0	2.3	2.3	.0	.0	.0	73.9
W	6.9	15.5	6.9	.0	.0	.0	.0	29.3	5.2	3.4	3.4	.0	.0	.0	58.6
NW	.0	7.6	.0	.0	.0	.0	.0	7.6	1.7	.0	.0	.0	6.8	.0	83.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	2.1	.0	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	97.9
TOT PCT	4.5	2.6	1.3	.0	.0	.0	.0	8.3	1.1	1.5	1.5	.0	1.1	.0	86.6
TOT OBS:	470														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00&03	.0	7.1	.0	.0	.0	.0	.0	7.1	14.3	7.1	.0	.0	.0	.0	71.4
06&09	6.5	4.0	1.4	.0	.0	.0	.0	11.9	.4	.7	1.8	.0	1.4	.0	84.1
12&15	7.7	.0	.0	.0	.0	.0	.0	7.7	.0	7.7	.0	.0	.0	.0	84.6
18&21	3.3	2.0	1.2	.0	.0	.0	.0	6.6	.8	2.9	2.5	.0	.4	.0	86.9
TOT PCT	4.9	3.1	1.3	.0	.0	.0	.0	9.3	.9	2.0	2.0	.0	.9	.0	85.0
TOT OBS:	548														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.2	1.3	.2	.0	.0	.0		3.7	4.3	5.4	.0	6.0	2.7	15.4	50.0	4.0	3.2
NE	5.6	5.1	.5	.2	.0	.0		11.4	4.9	28.6	.0	.0	13.1	7.7	50.0	12.0	9.6
E	9.5	7.9	.8	.0	.0	.0		18.1	4.2	7.1	.0	23.0	17.9	21.2	.0	19.0	18.4
SE	16.1	17.5	4.3	.0	.0	.0		37.9	5.2	28.6	.0	15.0	43.7	25.0	.0	27.0	37.5
S	2.0	2.6	.7	.0	.0	.0		5.4	5.5	17.9	.0	4.0	4.0	.0	.0	10.0	6.0
SW	1.5	2.5	.5	.0	.0	.0		4.5	5.8	3.6	.0	15.0	3.4	15.4	.0	12.0	2.8
W	1.6	1.1	.3	.0	.0	.0		3.0	4.4	.0	.0	16.0	1.4	.0	.0	8.0	2.9
NW	3.7	2.1	.5	.0	.0	.0		6.3	4.2	1.8	.0	17.0	5.5	.0	.0	4.0	6.9
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	9.7							9.7	.0	7.1	.0	4.0	8.2	15.4	.0	4.0	12.8
TOT OBS	252	195	37	1	0	0	485		4.4	14	0	25	219	13	1	25	188
TOT PCT	52.0	40.2	7.6	.2	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.7	.9	.0	.0	.0		3.7	4.3	5.4	3.1	17.9	3.3
NE	8.9	1.8	.7	.0	.0		11.4	4.9	28.6	11.8	10.7	9.9
E	15.2	2.8	.2	.0	.0		18.1	4.2	7.1	18.4	19.6	18.4
SE	28.7	8.6	.6	.0	.0		37.9	5.2	28.6	40.8	23.2	36.3
S	3.8	1.5	.0	.0	.0		5.4	5.5	17.9	4.0	.0	6.5
SW	3.0	1.4	.1	.0	.0		4.5	5.8	3.6	4.6	14.3	3.9
W	2.5	.4	.1	.0	.0		3.0	4.4	.0	2.9	.0	3.5
NW	5.3	1.0	.0	.0	.0		6.3	4.2	1.8	6.7	.0	6.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	9.7						9.7	.0	7.1	7.8	14.3	11.7
TOT OBS	387	90	8	0	0	485		4.4	14	244	14	213
TOT PCT	79.8	18.6	1.6	.0	.0		100.0		100.0	100.0	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1942-1970
(OVER-ALL) 1882-1970

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00603	7.1	28.6	28.6	35.7	.0	.0	.0	7.6	100.0	14
00609	7.8	40.2	45.1	6.6	.4	.0	.0	4.5	100.0	244
12615	14.3	.0	71.4	14.3	.0	.0	.0	6.9	100.0	14
18621	11.7	48.4	33.3	6.6	.0	.0	.0	3.9	100.0	213
TOT	47	205	195	37	1	0	0	4.4		485
PCT	9.7	42.3	40.2	7.6	.2	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	2.2	.0		7.0
NE	2.9	5.9	2.9	5.9		5.3
E	2.2	2.9	8.8	4.4		5.0
SE	1.5	2.9	3.7	13.2		6.5
S	2.2	2.2	4.4	2.9		4.8
SW	2.9	.7	4.4	.0		3.8
W	.0	.0	2.2	.0		6.0
NW	.0	.0	3.7	2.9		7.0
VAR	.0	.0	.0	.0		.0
CALM	5.9	.0	5.9	.0		3.7
TOT OBS	6	5	13	10	34	5.3
TOT PCT	17.6	14.7	38.2	29.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	2.9	.0	2.9	2.9	.0	.0	.0	8.8	
E	.0	.0	.0	4.4	.0	.0	.0	.0	.0	.0	14.0	
SE	.0	.0	.0	2.2	5.9	2.9	.0	.0	.0	.0	10.3	
S	.0	.0	.0	5.1	.0	.0	.0	.0	.0	.0	6.6	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.1	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	
NW	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	9.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.8	
TOT OBS	0	0	0	9	3	2	1	0	0	0	23	34
TOT PCT	.0	.0	.0	14.7	8.8	5.9	2.9	.0	.0	.0	67.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
* OR >2000	5.9	8.8	8.8	8.8	8.8	8.8	8.8	8.8
* OR >1000	8.8	14.7	17.6	17.6	17.6	17.6	17.6	17.6
* OR >600	14.7	26.5	32.4	32.4	32.4	32.4	32.4	32.4
* OR >300	14.7	26.5	32.4	32.4	32.4	32.4	32.4	32.4
* OR >150	14.7	26.5	32.4	32.4	32.4	32.4	32.4	32.4
* OR > 0	14.7	26.5	32.4	32.4	32.4	32.4	32.4	32.4
TOTAL	5	9	11	11	11	11	11	11

TOTAL NUMBER OF OBS: 34 PCT FREQ NH <5/8: 67.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
2.2	20.0	22.2	8.9	11.1	6.7	6.7	2.2	20.0	.0	45

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PERIOD: (PRIMARY) 1942-1976
(OVER-ALL) 1882-1976

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
1/2<1	PCP	.2	.0	.2	.0	.0	.0	.0	.2	.0	.0	.6	
	NO PCP	.0	.0	1.1	.4	.4	.3	.3	.0	.0	.0	2.6	
	TOT %	.2	.0	1.3	.4	.4	.3	.3	.2	.0	.0	3.2	
1<2	PCP	.0	.0	.0	.6	.2	.1	.0	.0	.0	.0	.9	
	NO PCP	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.0	.0	.0	.9	.2	.1	.0	.0	.0	.0	1.1	
2<5	PCP	.0	.0	.4	1.3	.0	.0	.2	.0	.0	.0	1.9	
	NO PCP	.3	1.1	1.4	2.7	.0	.5	.6	.1	.0	.4	7.0	
	TOT %	.3	1.1	1.8	4.0	.0	.5	.8	.1	.0	.4	8.9	
5<10	PCP	.0	.4	.4	.7	.2	.7	.7	.3	.0	.0	3.4	
	NO PCP	.9	4.1	5.5	14.5	1.5	1.4	.7	1.3	.0	3.8	33.8	
	TOT %	.9	4.6	5.9	15.2	1.8	2.1	1.4	1.6	.0	3.8	37.2	
10+	PCP	.0	.4	.2	.2	.0	.2	.0	.0	.0	.2	1.3	
	NO PCP	1.8	5.3	8.2	17.6	3.2	1.5	.6	4.4	.0	5.5	48.1	
	TOT %	1.8	5.7	8.4	17.8	3.2	1.7	.6	4.4	.0	5.7	49.4	
	TOT OBS												470
	TOT PCT	3.2	11.4	17.3	38.5	5.5	4.7	3.1	6.3	.0	10.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.2	.0	.0	.0	.0	.0		.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
1/2<1	0-3	.2	.0	.6	.0	.0	.1	.1	.0	.0	.0	1.0	
	4-10	.2	.0	.6	.2	.0	.1	.1	.2	.0		1.5	
	11-21	.0	.0	.0	.2	.4	.1	.1	.0	.0		.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.4	.0	1.3	.4	.4	.3	.3	.2	.0	.0	3.3	
1<2	0-3	.0	.2	.0	.2	.2	.1	.0	.0	.0	.0	.6	
	4-10	.0	.0	.0	.8	.0	.0	.0	.0	.0		.8	
	11-21	.0	.0	.0	.2	.0	.0	.0	.0	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.2	.0	1.3	.2	.1	.0	.0	.0	.0	1.7	
2<5	0-3	.2	.4	.8	.7	.0	.3	.8	.0	.0	.4	3.5	
	4-10	.2	.7	.9	2.8	.0	.2	.0	.1	.0		5.0	
	11-21	.0	.0	.0	.4	.0	.0	.0	.0	.0		.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.4	1.1	1.7	3.9	.0	.5	.8	.1	.0	.4	9.0	
5<10	0-3	.7	1.5	3.5	6.7	.3	.4	.5	.6	.0	3.8	17.9	
	4-10	.2	2.3	1.8	6.6	1.1	1.4	.8	.9	.0		15.2	
	11-21	.0	.8	.4	1.6	.3	.3	.0	.0	.0		3.1	
	22+	.0	.2	.0	.0	.0	.0	.0	.0	.0		.2	
	TOT %	.9	4.5	5.7	14.9	1.7	2.1	1.4	1.6	.0	3.8	36.5	
10+	0-3	1.0	3.5	4.3	8.8	1.6	.7	.2	2.9	.0	5.6	28.8	
	4-10	.8	2.1	4.4	6.8	1.3	.9	.2	.9	.0		17.5	
	11-21	.2	.0	.4	1.9	.0	.1	.2	.5	.0		3.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	2.0	5.6	9.1	17.4	3.1	1.7	.6	4.3	.0	5.6	49.4	
	TOT OBS												480
	TOT PCT	3.7	11.5	17.8	38.1	5.4	4.6	3.0	6.1	.0	9.8	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1942-1976
(OVER-ALL) 1882-1976

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	15.4	15.4	.0	7.7	.0	.0	.0	38.5	61.5	13
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	7
12&15	.0	.0	.0	11.1	11.1	.0	.0	.0	.0	.0	22.2	77.8	9
18&21	.0	.0	.0	18.2	.0	18.2	.0	.0	.0	.0	36.4	63.6	11
TOT	0	0	0	5	3	2	1	0	0	0	11	29	40
PCT	.0	.0	.0	12.5	7.5	5.0	2.5	.0	.0	.0	27.5	72.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	7.1	14.3	78.6	14
06&09	.4	3.6	2.5	13.9	49.3	30.4	280
12&15	.0	.0	.0	7.1	21.4	71.4	14
18&21	.0	4.8	.8	2.4	28.8	63.2	250
TOT	1	22	9	47	215	264	558
PCT	.2	3.9	1.6	8.4	38.5	47.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	25.0	16.7	58.3	12
06&09	.0	.0	.0	.0	100.0	7
12&15	.0	.0	14.3	14.3	71.4	7
18&21	.0	.0	25.0	25.0	50.0	8
TOT	0	0	6	5	23	34
PCT	.0	.0	17.6	14.7	67.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.6	.3	.3	.3	5	1.4
85/89	.0	.0	.0	.0	1.1	10.3	14.2	6.1	114	31.7
80/84	.0	.0	.0	.0	.6	10.8	28.3	18.1	208	57.8
75/79	.0	.0	.0	.0	.0	.0	2.2	6.7	32	8.9
70/74	.0	.0	.0	.0	.0	.3	.0	.0	1	.3
TOTAL	0	0	0	0	8	78	162	112	360	100.0
PCT	.0	.0	.0	.0	2.2	21.7	45.0	31.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.3	.0	.3	.6	.0	.0	.0	.0	.3
1.1	2.8	7.1	11.4	.9	1.5	.0	1.7	.0	5.3
2.3	6.3	12.3	22.6	2.7	2.1	1.0	2.4	.0	6.1
.0	1.4	.7	3.3	1.0	.1	.6	.8	.0	1.1
.0	.3	.0	.0	.0	.0	.0	.0	.0	.0
3.4	11.0	20.1	37.5	5.1	3.6	1.5	4.9	.0	12.8

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	88	87	87	83	78	78	78	83.9	14
06&09	93	90	88	83	79	75	74	83.1	279
12&15	84	83	83	82	78	78	78	82.1	14
18&21	98	91	88	82	77	76	76	82.4	254
TOT	98	91	88	83	78	76	74	82.8	561

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	20.0	60.0	.0	20.0	78	10
06&09	.0	.0	3.1	21.4	44.4	31.1	85	196
12&15	.0	.0	.0	22.2	66.7	11.1	82	9
18&21	.0	.0	1.5	18.7	47.5	32.3	86	198
TOT	0	0	11	87	187	128	85	413

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PERIOD: (PRIMARY) 1942-1976
(OVER-ALL) 1882-1976

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
9/10	.0	.0	.3	.0	.0	1	.0	.3
7/8	.0	.0	.0	.0	.3	1	.0	.3
6	.0	.0	.0	.3	.3	2	.0	.7
5	.0	.0	.0	.3	.3	2	.0	.7
4	.0	.0	.3	2.0	1.3	11	.0	3.7
3	.0	.0	.3	1.3	.3	6	.0	2.0
2	.0	.0	1.3	2.7	.0	12	.3	3.7
1	.3	.0	3.0	2.0	.0	16	.0	5.4
0	.0	.7	7.7	5.7	.3	43	1.0	13.4
-1	.3	1.7	8.7	3.7	.0	43	1.0	13.4
-2	.0	.7	10.4	1.0	.0	36	.3	11.7
-3	.0	2.3	10.4	1.7	.0	43	.0	14.4
-4	.0	5.0	3.7	.0	.0	26	.7	8.1
-5	.0	6.0	2.3	.0	.0	25	.3	8.1
-6	.7	4.7	1.3	.0	.0	20	.0	6.7
-7/-8	.0	2.0	.0	.0	.0	6	.0	2.0
-9/-10	.7	.7	.0	.0	.0	4	.0	1.3
-11/-13	.0	.3	.0	.0	.0	1	.0	.3
TOTAL	6	72	149	62	9	298	11	287
PCT	2.0	24.2	50.0	20.8	3.0	100.0	3.7	96.3

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	2.2	.0	.0	.0	2.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	2.2	.0	.0	.0	2.2

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	5.9	.0	.0	.0	.0	5.9
1-2	.0	5.9	.0	.0	.0	.0	5.9
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	5.9	.0	.0	.0	5.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	11.8	5.9	.0	.0	.0	17.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.2	.0	.0	.0	.0	2.2
1-2	.0	8.1	.0	.0	.0	.0	8.1
3-4	.0	2.2	2.9	.0	.0	.0	5.1
5-6	.0	2.9	.0	.0	.0	.0	2.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	15.4	2.9	.0	.0	.0	18.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.9	3.7	.0	.0	.0	.0	6.6
1-2	3.7	4.4	2.9	.0	.0	.0	11.0
3-4	.0	.7	8.8	.0	.0	.0	9.6
5-6	.0	.0	2.9	.0	.0	.0	2.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	6.6	8.8	14.7	.0	.0	.0	30.1

PERIOD: (OVER-ALL) 1962-1976 NOVEMBER AREA 0006 SOLOMON ISLANDS SW

TABLE 18 (CONT) 8.9S 159.3E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	4.4	2.2	.0	.0	.0	.0	6.6
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	4.4	2.2	.0	.0	.0	.0	6.6

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.9	.0	.0	.0	.0	2.9
1-2	.7	3.9	.0	.0	.0	.0	6.6
3-4	.0	.0	.7	.0	.0	.0	.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	6.8	.7	.0	.0	.0	10.3

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	2.2	.0	.0	.0	2.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	2.2	.0	.0	.0	2.2

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	2.9	2.9	.0	.0	.0	.0	5.9	
3-4	.0	.0	.7	.0	.0	.0	.7	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.9	2.9	.7	.0	.0	.0	6.6	94.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	11.4	14.3	.0	.0	.0	.0	25.7	
1-2	11.4	28.6	2.9	.0	.0	.0	42.9	
3-4	.0	2.9	17.1	.0	.0	.0	20.0	
5-6	.0	2.9	8.6	.0	.0	.0	11.4	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	22.9	48.6	28.6	.0	.0	.0	100.0	35

PERIOD: (OVER-ALL) 1962-1976 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.7	10.2	18.9	5.4	.0	5.4	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	4
6-7	.0	2.7	2.7	5.4	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5
8-9	.0	.0	.0	5.4	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	6
10-11	.0	.0	.0	2.7	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	6
12-13	.0	.0	.0	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
>13	.0	.0	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	8.1	.0	5.4	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	2
TOTAL	4	7	10	8	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	37	4
PCT	10.8	18.9	27.0	21.6	10.8	8.1	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1886-1977

AREA 0006 SOLOMON ISLANDS SW
8.9S 159.3E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	12.6	.0	.0	.0	.0	.0	.0	12.6	3.4	9.2	.0	.0	.0		.0	74.7
NE	8.5	2.1	2.1	.0	.0	.0	.0	12.7	2.6	4.2	.0	.0	.0		.0	80.4
E	4.4	4.4	.0	.0	.0	.0	.0	8.8	2.9	1.5	.0	.0	1.5		.0	85.3
SE	1.1	4.0	.0	.0	.0	.0	.0	5.1	1.1	3.4	.0	.0	4.6		.0	85.7
S	4.2	2.6	1.6	.0	.0	.0	.0	8.4	2.1	2.1	.0	.0	9.4		.0	80.1
SW	6.5	4.7	1.3	.0	.0	.0	.0	12.5	.0	5.2	.0	.0	1.6		.0	82.8
W	8.7	4.1	4.7	.0	.0	.0	.0	17.4	.0	.0	2.3	.0	2.3		.0	77.9
NW	11.3	.0	5.4	.0	.0	.0	.0	16.7	.0	3.6	.0	.0	.0		.0	79.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	2.0	.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0		.0	98.0
TOT PCT	5.8	2.9	1.5	.0	.0	.0	.0	10.2	1.2	3.1	.2	.0	2.3		.0	83.6
TOT OBS:	518															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	9.5	.0	.0	.0	.0	.0	.0	9.5	4.8	4.8	.0	.0	.0		.0	81.0
06&09	7.3	4.5	2.4	.0	.0	.0	.0	14.3	.0	2.0	.4	.0	4.5		.0	79.2
12&15	.0	20.0	6.7	.0	.0	.0	.0	26.7	6.7	13.3	.0	.0	.0		.0	53.3
18&21	5.5	.8	.4	.0	.0	.0	.0	6.7	1.6	5.3	.0	.0	.4		.0	87.8
TOT PCT	6.4	3.0	1.5	.0	.0	.0	.0	10.8	1.1	4.1	.2	.0	2.2		.0	82.6
TOT OBS:	535															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.6	1.8	.2	.0	.0	.0		4.6	4.0	14.3	.0	3.4	4.4	.0	.0	6.3	4.1
NE	6.2	2.7	.4	.0	.0	.0		9.3	3.7	1.2	.0	1.7	9.1	21.7	.0	11.6	10.2
E	6.3	6.8	.6	.0	.0	.0		13.8	4.6	17.9	.0	22.4	14.1	16.7	.0	3.6	13.0
SE	9.7	5.5	1.6	.0	.0	.0		16.8	4.3	9.5	.0	8.6	16.1	15.0	.0	17.9	19.3
S	4.5	4.3	.5	.0	.0	.0		9.4	4.8	14.3	.0	17.2	9.4	13.3	.0	3.6	8.4
SW	9.4	7.5	.4	.4	.0	.0		17.6	4.3	23.8	.0	23.3	16.6	13.3	.0	35.7	15.4
W	3.7	3.5	1.1	.0	.0	.0		8.3	5.6	4.8	.0	9.5	9.2	6.7	.0	10.7	7.5
NW	6.1	4.1	.4	.0	.0	.0		10.5	4.0	9.5	.0	10.3	11.0	.0	100.0	3.6	11.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	9.8							9.8	.0	4.8	.0	3.4	10.1	13.3	.0	7.1	10.9
TOT OBS	322	200	28	2	0	0	552		4.0	21	0	29	237	15	1	28	221
TOT PCT	58.3	36.2	5.1	.4	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	3.9	.7	.0	.0	.0		4.6	4.0	14.3	4.3	.0	4.3
NE	8.3	.8	.2	.0	.0		9.3	3.7	1.2	8.3	20.3	10.3
E	10.7	3.0	.0	.0	.0		13.8	4.6	17.9	15.0	15.6	11.9
SE	14.4	2.2	.2	.0	.0		16.8	4.3	9.5	15.3	14.1	19.2
S	6.9	2.4	.1	.0	.0		9.4	4.8	14.3	10.2	12.5	7.8
SW	15.2	1.9	.4	.2	.0		17.6	4.3	23.8	17.3	12.5	17.7
W	5.5	2.7	.2	.0	.0		8.3	5.6	4.8	9.2	6.3	7.8
NW	9.1	1.3	.2	.0	.0		10.5	4.0	9.5	10.9	6.3	10.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	9.8						9.8	.0	4.8	9.4	12.5	10.4
TOT OBS	462	82	7	1	0	552		4.0	21	266	16	249
TOT PCT	83.7	14.9	1.3	.2	.0		100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1886-1977

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	4.8	23.8	52.4	14.3	4.8	.0	.0	7.3	100.0	21
06&09	9.4	51.1	35.7	3.8	.0	.0	.0	3.7	100.0	266
12&15	12.5	6.3	50.0	31.3	.0	.0	.0	8.2	100.0	16
18&21	10.4	50.6	34.5	4.0	.4	.0	.0	3.7	100.0	249
TOT	54	268	200	28	2	0	0	4.0		552
PCT	9.8	48.6	36.2	5.1	.4	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	1.8	3.5	1.8		5.8
NE	1.8	3.5	.4	3.9		4.7
E	1.3	4.4	6.6	1.8		5.1
SE	5.7	4.4	3.5	5.3		4.5
S	3.5	3.5	5.3	1.8		4.7
SW	3.5	.0	7.0	7.0		6.0
W	1.8	1.8	.0	1.8		4.3
NW	.0	1.8	1.8	1.8		6.0
VAR	.0	.0	.0	.0		.0
CALM	.0	5.3	3.5	.0		4.8
TOT OBS	10	15	18	14	57	5.1
TOT PCT	17.5	26.3	31.6	24.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	1.8	.0	.0	1.8	.0	.0	.0	3.5	
NE	.0	.0	.0	2.2	1.8	.0	.0	.0	.0	.0	5.7	
E	.0	.0	1.8	1.8	.0	1.8	.0	.0	.0	.0	5.6	
SE	.0	.0	.0	.0	5.3	1.3	.0	.0	.0	.0	11.8	
S	.0	.0	.0	.0	1.8	.0	.0	.0	.0	1.8	10.5	
SW	.0	.0	.0	.0	7.0	1.8	.0	.0	.0	.0	8.8	
W	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	3.5	
NW	.0	.0	1.8	.0	1.8	.0	.0	.0	.0	.0	1.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.8	
TOT OBS	0	0	2	3	10	4	1	0	0	1	36	57
TOT PCT	.0	.0	3.5	5.3	17.5	7.0	1.8	.0	.0	1.8	63.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >30YD	* OR >0
* OR >6500	.0	.0	1.7	1.7	1.7	1.7	1.7	1.7
* OR >5000	.0	.0	1.7	1.7	1.7	1.7	1.7	1.7
* OR >3500	1.7	1.7	3.4	3.4	3.4	3.4	3.4	3.4
* OR >2000	8.6	8.6	10.3	10.3	10.3	10.3	10.3	10.3
* OR >1000	17.2	24.1	25.9	27.6	27.6	27.6	27.6	27.6
* OR >600	22.4	29.3	31.0	32.8	32.8	32.8	32.8	32.8
* OR >300	24.1	31.0	32.8	34.5	36.2	36.2	36.2	36.2
* OR >150	24.1	31.0	32.8	34.5	36.2	36.2	36.2	36.2
* OR > 0	24.1	31.0	32.8	34.5	36.2	36.2	36.2	36.2
TOTAL	14	18	19	20	21	21	21	21

TOTAL NUMBER OF OBS: 58 PCT FREQ NH <5/8: 63.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.2	14.3	14.3	22.2	6.3	6.3	11.1	4.8	17.5	.0	63

DECEMBER

PERIOD: (PRIMARY) 1942-1977
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
1/2<1	PCP	.0	.0	.0	.0	.2	.2	.1	.2	.0	.0	.8	
	NO PCP	.0	.0	.2	.0	.0	.2	.2	.0	.0	.0	.6	
	TOT %	.0	.0	.2	.0	.2	.4	.3	.2	.0	.0	1.4	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.2	.0	.0	.2	.0	.0	.0	.4	
	TOT %	.0	.0	.0	.2	.0	.0	.2	.0	.0	.0	.4	
2<5	PCP	.0	.2	.6	.2	.0	.0	.2	.6	.0	.0	1.7	
	NO PCP	.6	.8	.8	1.5	1.3	.7	.3	.5	.0	.4	6.9	
	TOT %	.6	1.0	1.4	1.7	1.3	.7	.5	1.1	.0	.4	8.7	
5<10	PCP	.4	.6	.2	.7	.4	1.4	.6	.8	.0	.2	5.2	
	NO PCP	.9	2.1	4.2	4.1	1.6	4.6	1.8	2.1	.0	3.9	25.3	
	TOT %	1.3	2.7	4.4	4.8	2.1	6.0	2.4	2.9	.0	4.1	30.5	
10+	PCP	.1	.4	.4	.0	.1	.7	.5	.2	.0	.0	2.5	
	NO PCP	2.2	5.1	6.8	10.2	5.6	10.8	4.3	6.1	.0	5.4	56.4	
	TOT %	2.3	5.5	7.2	10.2	5.7	11.4	4.8	6.3	.0	5.4	58.9	
	TOT OBS												518
	TOT PCT	4.2	9.1	13.2	16.9	9.2	18.5	8.3	10.7	.0	9.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
1/2<1	0-3	.0	.0	.4	.2	.4	.2	.0	.2	.0	.0	1.3	
	4-10	.0	.0	.6	.2	.2	.2	.3	.0	.0		1.5	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.9	.4	.6	.4	.3	.2	.0	.0	2.8	
1<2	0-3	.0	.2	.5	.4	.2	.0	.2	.0	.0	.2	1.7	
	4-10	.0	.0	.0	.2	.0	.0	.2	.2	.0		.6	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.2	.5	.6	.2	.0	.4	.2	.0	.2	2.2	
2<5	0-3	.6	.6	.6	.8	.8	.5	.1	.7	.0	.4	5.2	
	4-10	.0	.2	.7	.8	.2	.2	.2	.4	.0		2.6	
	11-21	.0	.2	.0	.0	.2	.0	.2	.0	.0		.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.6	1.0	1.3	1.6	1.2	.6	.5	1.1	.0	.4	8.3	
5<10	0-3	.8	1.9	1.8	2.4	1.2	3.4	1.3	1.6	.0	3.9	18.3	
	4-10	.4	.6	2.4	1.6	.7	1.9	.6	1.2	.0		9.6	
	11-21	.0	.0	.0	.6	.0	.2	.4	.0	.0		1.1	
	22+	.0	.0	.0	.0	.0	.2	.0	.0	.0		.2	
	TOT %	1.2	2.5	4.2	4.6	2.0	5.7	2.3	2.8	.0	3.9	29.2	
10+	0-3	1.2	3.7	3.0	6.1	2.0	5.5	2.2	3.5	.0	5.4	32.3	
	4-10	1.1	1.8	3.3	2.8	3.3	5.1	2.3	2.2	.0		21.8	
	11-21	.0	.2	.6	.9	.3	.2	.4	.4	.0		3.0	
	22+	.0	.0	.0	.0	.0	.2	.0	.0	.0		.2	
	TOT %	2.2	5.6	6.9	9.8	5.6	11.0	4.8	6.1	.0	5.4	57.3	
	TOT OBS												541
	TOT PCT	4.0	9.3	13.9	17.0	9.6	17.7	8.3	10.4	.0	9.8	100.0	

DECEMBER

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1886-1977

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	9.5	.0	9.5	4.8	4.8	.0	.0	.0	28.6	71.4	21
06&09	.0	.0	.0	.0	37.5	.0	.0	.0	.0	.0	37.5	62.5	8
12&15	.0	.0	.0	16.7	8.3	16.7	.0	.0	.0	.0	41.7	58.3	12
18&21	.0	.0	.0	5.6	22.2	5.6	.0	.0	.0	5.6	38.9	61.1	18
TOT	0	0	2	3	10	4	1	0	0	1	21	38	59
PCT	.0	.0	3.4	5.1	16.9	6.8	1.7	.0	.0	1.7	35.6	64.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	4.8	.0	.0	14.3	81.0	21
06&09	.4	5.3	3.8	14.4	47.1	28.9	263
12&15	.0	.0	6.3	.0	12.5	81.3	16
18&21	.0	.4	.4	2.7	16.3	80.2	258
TOT	1	16	12	45	171	313	558
PCT	.2	2.9	2.2	8.1	30.6	56.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NM >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND3+	NM <5/8 AND 5+	TOTAL OBS
00&03	.0	10.0	10.0	20.0	70.0	20
06&09	.0	.0	.0	37.5	62.5	8
12&15	.0	.0	16.7	25.0	58.3	12
18&21	.0	.0	16.7	22.2	61.1	18
TOT	0	2	7	14	37	58
PCT	.0	3.4	12.1	24.1	63.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.3	.5	.0	.0	.0	3	.8
90/94	.0	.0	.0	.5	.8	1.8	.3	.5	15	3.9
85/89	.0	.0	.0	.8	3.1	9.0	11.1	4.9	112	28.9
80/84	.0	.0	.0	.0	1.3	13.4	24.7	18.8	226	58.2
75/79	.0	.0	.0	.0	.0	.8	2.3	5.2	32	8.2
TOTAL	0	0	0	6	22	97	149	114	388	100.0
PCT	.0	.0	.0	1.5	5.7	25.0	38.4	29.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
	.0	.3	.0	.0	.0	.0	.3	.0	.0	.3
	.2	.3	1.0	.3	.5	.5	.3	.3	.0	.5
	1.2	1.5	4.3	5.6	3.4	3.5	1.0	4.8	.0	3.6
	2.7	4.8	8.0	11.7	4.3	6.5	5.7	5.4	.0	9.0
	.2	1.1	1.0	.9	1.4	.9	1.1	1.2	.0	.5
	4.3	8.0	14.2	18.5	9.7	11.4	8.4	11.7	.0	13.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	90	89	88	84	80	77	77	84.0	21
06&09	99	90	89	84	79	77	76	83.6	263
12&15	86	85	85	82	77	77	77	81.9	16
18&21	98	97	90	83	78	76	76	83.6	242
TOT	99	92	90	83	79	76	76	83.6	522

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	22.2	50.0	16.7	11.1	77	18
06&09	.0	1.1	2.9	24.6	40.6	30.9	85	175
12&15	.0	.0	.0	8.3	66.7	25.0	85	12
18&21	.0	2.1	6.9	23.8	36.5	30.7	83	189
TOT	0	6	22	98	151	117	84	394

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PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1886-1977

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.4	.0	1	.0	.4
11/13	.0	.0	.0	.4	.4	.0	2	.0	.7
7/8	.0	.0	.4	.0	1.4	.7	7	.0	2.5
6	.0	.0	.0	.4	.4	.0	2	.0	.7
5	.0	.0	.0	.0	2.5	.0	7	.0	2.5
4	.0	.0	.0	1.1	2.8	.0	11	.0	3.9
3	.0	.0	.4	2.1	1.4	.0	11	.0	3.9
2	.0	.0	1.1	4.3	.0	.0	15	.0	5.3
1	.0	.0	2.1	5.3	.0	.0	21	.0	7.4
0	.4	.4	3.5	5.3	.0	.0	27	.4	9.2
-1	.0	.4	7.1	3.9	.0	.0	32	.0	11.3
-2	.0	1.4	11.0	1.1	.0	.0	38	.0	13.5
-3	.4	.4	9.9	.4	.0	.0	31	.0	11.0
-4	.0	1.4	7.1	.0	.0	.0	24	.0	8.5
-5	.0	2.1	2.1	.0	.0	.0	12	.0	4.3
-6	.0	5.0	2.1	.0	.0	.0	20	.0	7.1
-7/-8	.4	3.5	1.1	.0	.0	.0	14	.0	5.0
-9/-10	.0	1.8	.4	.4	.0	.0	7	.0	2.5
TOTAL	3	46	136	69	26	2	282	1	281
PCT	1.1	16.3	48.1	24.5	9.3	.7	100.0	.4	99.6

PERIOD: (OVER-ALL) 1964-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	2.0	3.6	.0	.0	.0	.0	5.6
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.0	3.6	.0	.0	.0	.0	5.6

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	7.1	.0	.0	.0	.0	7.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.1	.0	.0	.0	.0	7.1

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.0	2.0	.0	.0	.0	.0	4.1
1-2	.0	5.6	1.5	.0	.0	.0	7.1
3-4	.0	2.0	1.5	.0	.0	.0	3.6
5-6	.0	.0	1.5	.0	.0	.0	1.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.0	9.7	4.6	.0	.0	.0	16.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.0	2.0	.0	.0	.0	4.1
1-2	.0	2.0	6.6	.0	.0	.0	8.7
3-4	.0	2.0	2.6	.0	.0	.0	4.6
5-6	.0	.0	2.6	.0	.0	.0	2.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.1	13.8	.0	.0	.0	19.9

PERIOD: (OVER-ALL) 1963-1977 DECEMBER AREA 0006 SOLOMON ISLANDS SW

TABLE 18 (CONT) 8.9S 159.3E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	2.0	.0	.0	.0	.0	.0	2.0	2.0	2.0	.0	.0	.0	.0	4.1
1-2	.0	8.2	.0	.0	.0	.0	8.2	.0	6.1	.0	.0	.0	.0	6.1
3-4	.0	4.1	4.1	.0	.0	.0	8.2	.0	.5	.0	.0	.0	.0	.5
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	2.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	.0	.0	4.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.0	12.2	4.1	.0	.0	.0	18.4	2.0	8.7	2.0	4.1	.0	.0	16.8

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	2.0	4.1	.0	.0	.0	6.1	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	1.5	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	3.6	4.1	.0	.0	.0	7.7	.0	.0	.0	.0	.0	.0	.0	91.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	14.3	6.1	2.0	.0	.0	.0	22.4	
1-2	2.0	34.7	12.2	.0	.0	.0	49.0	
3-4	.0	10.2	8.2	.0	.0	.0	18.4	
5-6	.0	.0	6.1	.0	.0	.0	6.1	
7	.0	.0	.0	4.1	.0	.0	4.1	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	16.3	51.0	28.6	4.1	.0	.0	100.0	49

PERIOD: (OVER-ALL) 1956-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.6	20.8	14.3	8.9	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	31	3
6-7	.0	1.8	5.4	5.4	1.8	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	5
8-9	.0	3.6	3.6	1.8	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	4
10-11	.0	1.8	1.8	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	5
12-13	.0	.0	.0	1.8	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	3.6	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	1
TOTAL	4	21	14	10	2	1	3	1	0	0	0	0	0	0	0	0	0	0	0	56	4
PCT	7.1	37.5	25.0	17.9	3.6	1.8	5.4	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1894-1978
(OVER-ALL) 1864-1978

AREA 0006 SOLOMON ISLANDS SW
8.8S 159.3E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	8.8	2.8	2.2	.0	.0	.0	.0	13.8	.8	3.0	.0	.0	.4		.0	81.9
NE	7.3	3.0	1.6	.0	.0	.0	.0	11.9	.9	3.2	.2	.0	.9		.0	83.6
E	7.1	3.5	1.6	.0	.0	.0	.0	12.2	.7	2.8	.9	.0	1.5		.0	82.9
SE	7.0	4.5	1.3	.0	.0	.0	.0	12.8	.8	3.1	.2	.0	1.1		.0	83.1
S	6.0	4.8	1.2	.0	.0	.0	.0	11.5	1.1	2.9	.5	.0	1.4		.0	84.2
SW	8.7	5.5	1.1	.0	.0	.0	.0	15.3	1.1	2.7	.2	.0	.4		.0	80.7
W	10.9	4.8	1.5	.0	.0	.0	.0	15.2	1.2	1.8	1.4	.0	1.1		.0	80.0
NW	7.5	2.5	1.4	.0	.0	.0	.0	11.4	.4	1.8	.0	.0	.7		.0	85.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	6.7	1.3	.9	.0	.0	.0	.0	8.9	.8	.5	.0	.0	.5		.0	89.4
TOT PCT	7.8	4.0	1.5	.0	.0	.0	.0	13.3	.9	2.7	.4	.0	1.1		.0	82.4
TOT OBS:	5474															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	9.5	3.6	.3	.0	.0	.0	.0	13.5	4.6	1.5	.3	.0	1.4		.0	78.7
06&09	10.0	4.8	1.7	.0	.0	.0	.0	16.5	.6	3.0	.4	.0	1.5		.0	78.8
12&15	6.6	5.0	1.8	.0	.0	.0	.0	14.0	8.0	5.4	.0	.0	1.0		.0	72.2
18&21	6.1	3.4	1.2	.0	.0	.0	.0	10.8	.3	3.1	.4	.0	.6		.0	85.9
TOT PCT	8.0	4.1	1.4	.0	.0	.0	.0	13.6	.9	3.1	.4	.0	1.0		.0	82.0
TOT OBS:	5837															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.9	2.1	.2	*	.0	.0		5.3	4.0	9.2	4.2	6.6	5.2	7.2	8.3	4.2	4.7
NE	5.1	4.5	.4	.1	.0	.0		10.1	4.5	7.7	2.1	8.4	10.4	8.8	12.5	8.8	10.2
E	6.8	9.0	2.3	.1	.0	.0		18.1	5.3	23.3	2.1	13.8	19.0	17.5	14.6	17.3	18.1
SE	10.2	13.3	3.5	.2	.0	.0		27.3	5.4	23.3	9.4	22.7	27.6	29.3	2.1	27.1	27.8
S	3.8	4.8	1.1	*	.0	.0		9.7	5.4	10.6	7.3	16.1	7.2	10.5	.0	12.0	9.6
SW	3.9	3.7	.4	.1	*	.0		8.0	5.0	7.0	8.3	10.6	7.7	9.1	.0	9.5	7.7
W	2.4	2.8	.5	.1	.1	.0		5.9	5.8	6.2	22.9	8.5	6.7	6.1	20.8	8.7	4.8
NW	4.1	3.7	.6	.1	.0	.0		8.5	4.4	6.0	2.1	8.2	9.7	5.8	8.3	7.8	8.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	7.1							7.1	.0	6.6	.0	5.2	6.5	5.7	.0	4.6	8.9
TOT OBS							5746		5.0	185	10	370	2932	178	10	296	2365
TOT PCT	46.2	43.9	9.1	.7	.1	.0		100.0		100.0	58.9	100.0	100.0	100.0	66.7	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	4.3	.9	*	.0	.0		5.3	4.0	9.2	5.4	7.5	4.7
NE	8.4	1.5	.2	.0	.0		10.1	4.5	7.7	10.2	9.1	10.2
E	12.6	5.1	.4	*	.0		18.1	5.3	22.2	18.0	18.6	18.0
SE	18.7	7.3	1.3	*	.0		27.3	5.4	22.9	27.0	27.7	27.9
S	6.7	2.7	.2	*	.0		9.7	5.4	11.2	8.9	9.9	10.2
SW	6.6	1.2	.2	.1	.0		8.0	5.0	7.1	8.1	8.7	7.9
W	4.5	1.1	.2	.1	.0		5.9	5.8	7.7	6.8	7.1	4.9
NW	6.8	1.5	.2	*	.0		8.5	4.4	5.8	9.4	6.0	7.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	7.1						7.1	.0	6.1	6.2	5.4	8.3
TOT OBS						5746		5.0	193	2702	188	2661
TOT PCT	75.7	21.3	2.7	.3	.0		100.0		100.0	100.0	100.0	100.0

ANNUAL

PERIOD: (PRIMARY) 1894-1978
(OVER-ALL) 1864-1978

AREA 0006 SOLOMON ISLANDS SW
8.8S 159.3E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	6.1	11.7	41.3	38.0	1.5	1.4	.0	9.7	100.0	195
06&09	6.2	39.5	45.6	8.0	.5	.1	.0	4.9	100.0	2702
12&15	5.4	9.6	54.5	25.3	4.2	1.0	.0	9.2	100.0	188
18&21	8.3	42.9	41.6	6.7	.5	*	.0	4.5	100.0	2681
TOT								5.0		5766
PCT	7.1	39.1	43.9	9.1	.7	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.5	1.4	3.1	1.0		3.8
NE	.9	1.7	1.9	2.6		5.6
E	2.1	4.1	7.0	4.9		5.4
SE	3.7	5.8	11.2	7.1		5.1
S	1.9	3.0	4.2	2.3		5.0
SW	.8	2.1	3.5	1.6		4.7
W	.4	1.5	3.0	1.8		4.6
NW	.6	.8	2.9	3.7		4.0
VAR	.0	.0	.0	.0		.0
CALM	2.0	2.1	2.5	.3		3.3
TOT OBS					584	5.4
TOT PCT	13.0	22.5	39.4	25.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.8	1.2	.2	.3	.0	.0	.0	3.8	
NE	.0	.0	.2	.7	.9	.6	.2	.0	.0	.0	4.5	
E	.0	.0	.4	2.9	2.0	.9	.3	.2	.0	.0	11.5	
SE	.2	.3	.9	2.2	4.2	3.4	.5	.0	.0	.0	10.1	
S	.1	.0	.2	1.8	1.4	.6	.1	.0	.0	.1	7.1	
SW	.2	.0	.3	.9	1.1	.2	*	.0	.0	.0	5.5	
W	.0	.3	.5	1.1	.7	.3	.1	.1	.0	.0	3.5	
NW	.0	*	.8	1.5	1.4	.2	*	*	.0	.0	4.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.2	.0	.3	.2	.0	.0	.0	.0	.0	6.3	
TOT PCT	.5	.8	3.2	11.5	13.0	6.4	1.7	.4	.0	.1	62.3	100.0
TOT OBS												584

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.1	.1	.1	.1	.1	.1
* OR >5000	.3	.3	.5	.5	.5	.5	.5	.5
* OR >3500	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1
* OR >2000	6.0	8.0	8.3	8.3	8.3	8.3	8.3	8.3
* OR >1000	16.5	19.8	21.0	21.2	21.2	21.2	21.2	21.2
* OR >600	20.4	29.3	31.6	32.0	32.2	32.2	32.2	32.2
* OR >300	21.4	31.7	34.1	34.6	35.0	35.2	35.2	35.2
* OR >150	22.0	32.3	34.7	35.2	35.6	35.8	35.8	35.8
* OR > 0	22.2	32.6	35.0	35.5	35.9	36.3	36.3	36.3

TOTAL NUMBER OF OBS: 623

PCT FREQ NH <5/8: 63.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
1.5	11.5	17.0	17.8	13.1	7.6	7.4	7.2	16.7	.3	704

PERIOD: (PRIMARY) 1894-1978
(OVER-ALL) 1864-1978

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	*	*	.1	.2	*	*	.1	*	.0	*	.5	
	NO PCP	.0	*	.0	.0	.0	.0	.0	*	.0	.0	*	
	TOT %	*	*	.1	.2	*	*	.1	*	.0	*	.5	
1/2<1	PCP	*	*	.1	.1	.1	.1	*	.1	.0	.0	.5	
	NO PCP	*	.0	.2	.2	.1	*	.1	*	.0	.0	.6	
	TOT %	.1	*	.3	.3	.2	.1	.1	.1	.0	.0	1.1	
1<2	PCP	*	*	.1	.2	.1	.1	*	*	.0	.0	.5	
	NO PCP	*	.0	*	.1	*	.0	*	*	.0	*	.2	
	TOT %	*	*	.1	.3	.1	.1	.1	.1	.0	*	.7	
2<5	PCP	.2	.1	.3	.6	.1	.1	.2	*	.0	.1	2.0	
	NO PCP	.4	.9	1.7	2.1	.7	.6	.3	.6	.0	.2	7.6	
	TOT %	.6	1.0	2.0	2.7	.8	.7	.5	.9	.0	.3	9.6	
5<10	PCP	.3	.6	1.1	2.1	.8	.6	.5	.5	.0	.2	6.8	
	NO PCP	1.3	2.6	4.9	7.8	3.0	2.1	1.6	1.9	.0	2.1	27.3	
	TOT %	1.6	3.2	6.1	9.9	3.8	2.6	2.1	2.4	.0	2.4	34.0	
10+	PCP	.2	.5	.5	.7	.1	.3	.3	.4	.0	.1	3.0	
	NO PCP	2.8	5.4	8.7	13.5	4.7	4.2	2.8	4.6	.0	4.3	51.0	
	TOT %	3.0	5.7	9.3	14.1	4.8	4.5	3.1	5.0	.0	4.5	54.0	
	TOT OBS												5469
	TOT PCT	5.3	10.1	17.9	27.4	9.7	8.1	5.9	8.5	.0	7.2	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	*	*	.1	.1	.0	*	*	*	.0	.1	.3	
	4-10	*	*	.1	.1	.1	*	.1	*	.0		.5	
	11-21	.0	*	*	*	*	.0	*	*	.0		.1	
	22+	.0	.0	.0	*	*	.0	.0	.0	.0		*	
	TOT %	*	.1	.2	.2	.1	.1	.1	.1	.0	.1	.9	
1/2<1	0-3	.1	*	.2	.2	.1	.1	*	*	.0	.0	.7	
	4-10	*	*	.3	.2	.1	.1	.1	.1	.0		.8	
	11-21	.0	.0	*	.1	.1	*	*	*	.0		.2	
	22+	.0	.0	.0	.0	.0	*	.0	.0	.0		*	
	TOT %	.1	.1	.5	.5	.2	.2	.1	.1	.0	.0	1.8	
1<2	0-3	.1	.1	.2	.2	.1	.1	.1	.1	.0	.1	1.0	
	4-10	*	.1	.3	.6	*	.1	.1	.1	.0		1.3	
	11-21	.0	.0	.1	.1	*	.0	*	*	.0		.3	
	22+	.0	.0	.0	.0	.0	*	.0	.0	.0		*	
	TOT %	.1	.2	.5	.9	.2	.2	.2	.2	.0	.1	2.6	
2<5	0-3	.3	.6	.8	.7	.4	.3	.2	.5	.0	.3	4.0	
	4-10	.3	.4	.9	1.6	.3	.4	.2	.4	.0		4.4	
	11-21	*	.1	.2	.3	.1	*	.1	.1	.0		.8	
	22+	*	.0	*	*	*	.0	.0	*	.0		.1	
	TOT %	.6	1.0	1.9	2.6	.8	.7	.5	.9	.0	.3	9.3	
5<10	0-3	.8	1.6	2.0	3.0	1.1	1.2	.7	1.0	.0	2.3	13.7	
	4-10	.7	1.3	3.2	5.3	2.1	1.2	1.0	1.1	.0		15.9	
	11-21	.1	.1	.6	1.2	.5	.2	.1	.1	.0		2.9	
	22+	.0	*	.1	.1	.0	*	.1	*	.0		.4	
	TOT %	1.5	3.1	5.8	9.6	3.7	2.6	2.0	2.3	.0	2.3	32.9	
10+	0-3	1.7	2.8	3.6	6.1	2.1	2.2	1.4	2.4	.0	4.4	26.5	
	4-10	1.0	2.6	4.2	5.7	2.2	1.9	1.4	2.1	.0		21.1	
	11-21	.1	.2	1.3	1.8	.4	.2	.2	.3	.0		4.6	
	22+	.0	*	.0	.1	*	*	.1	*	.0		.2	
	TOT %	2.9	5.6	9.0	13.7	4.6	4.3	3.0	4.8	.0	4.4	52.4	
	TOT OBS												5685
	TOT PCT	5.2	10.1	18.1	27.5	9.6	8.1	5.9	8.5	.0	7.1	100.0	

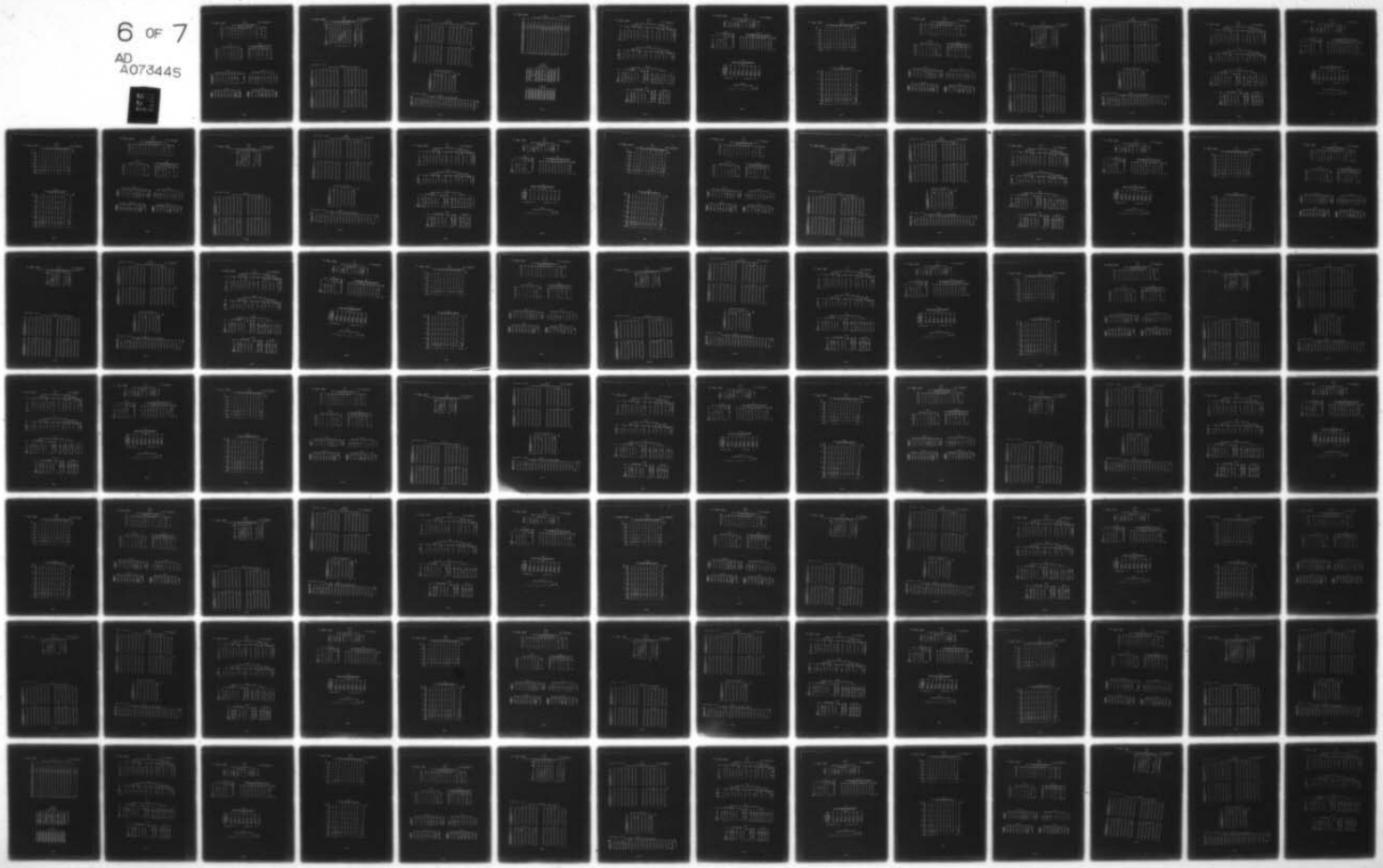
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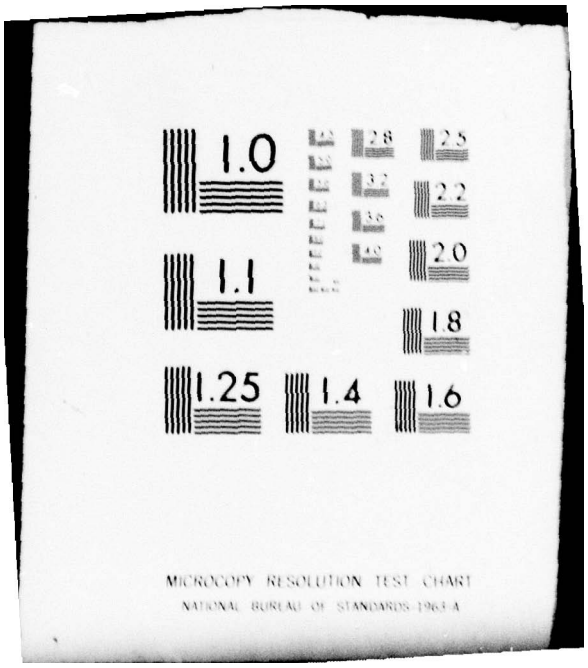
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MICROCOPY RESOLUTION TEST CHART
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ANNUAL

PERIOD: (PRIMARY) 1894-1978
(OVER-ALL) 1864-1978

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.9	2.2	10.8	14.8	7.2	1.9	.0	.0	.0	37.8	62.2	194
06&09	.0	.6	5.0	7.5	12.5	3.5	1.5	.0	.0	.0	30.6	69.4	162
12&15	.6	.0	1.3	12.9	9.1	5.4	.6	.0	.0	.0	30.0	70.0	161
18&21	1.3	1.6	2.9	9.7	12.7	5.0	1.5	1.5	.0	.5	36.7	63.3	140
TOT													657
PCT	.4	.7	2.8	10.6	12.2	5.8	1.5	.3	.0	.1	34.6	65.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	1.0	.0	1.4	13.6	83.9	204
06&09	1.7	2.8	4.8	15.3	45.7	29.7	2812
12&15	.5	.0	.5	3.6	17.8	77.6	197
18&21	.2	1.0	.6	3.8	26.2	68.2	2839
TOT							6052
PCT	.9	1.8	2.5	9.0	34.5	51.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <5OVD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	4.1	15.6	23.7	60.7	188
06&09	.0	5.9	15.3	16.9	67.8	154
12&15	.6	1.9	16.4	15.6	68.0	154
18&21	1.6	5.6	17.7	21.4	60.9	127
TOT						623
PCT	.5	4.3	16.7	19.8	63.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	*	*	*	.1	*	*	*		.3
90/94	.0	.0	.0	.1	.3	.3	.2	.2		1.2
85/89	.0	.0	*	.1	1.1	8.1	8.3	4.2		21.9
80/84	.0	.0	*	.1	.9	9.9	30.4	22.8		64.1
75/79	.0	.0	.0	.0	.1	.4	2.8	9.0		12.2
70/74	.0	.0	.0	.0	.0	*	*	.1		.2
65/69	.0	.0	.0	.0	.0	*	.0	.0		*
60/64	.0	.0	.0	.0	.0	*	.0	.0		*
TOTAL									4320	100.0
PCT	.0	*	.1	.4	2.5	18.9	41.8	36.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	*	.1	.1	*	.0	*	.0	.0	*
.1	.1	.2	.2	.2	.1	.1	.1	.0	.2
1.3	2.3	4.2	5.2	1.4	1.6	1.3	2.4	.0	2.2
3.2	6.4	12.9	17.6	5.4	4.4	3.5	5.5	.0	5.2
.6	1.3	1.9	3.8	1.4	1.0	.7	.8	.0	.8
.0	*	.0	*	.1	*	.0	*	.0	.0
.0	.0	*	.0	.0	.0	.0	.0	.0	.0
.0	*	.0	.0	.0	.0	.0	.0	.0	.0
5.2	10.1	19.3	26.9	8.4	7.1	5.6	8.9	.0	8.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	97	88	88	83	70	77	73	83.1	204
06&09	99	90	88	83	79	77	67	83.0	2791
12&15	87	83	83	82	75	75	64	81.2	196
18&21	99	91	87	82	78	76	74	82.1	2834
TOT	99	91	88	82	78	76	64	82.5	6025

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.5	8.5	47.9	33.5	9.7	79	172
06&09	.0	.4	2.5	18.5	41.6	37.1	86	2025
12&15	.0	.0	1.9	28.0	58.0	12.1	83	172
18&21	.0	.6	2.0	15.7	41.0	40.7	87	2112
TOT	0	21	111	845	1872	1692	86	4481

ANNUAL

PERIOD: (PRIMARY) 1894-1978
(OVER-ALL) 1864-1978

AREA 0006 SOLOMON ISLANDS SW
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.0	.0	.0	*	.0	1	.0	*
11/13	.0	.0	.0	.0	.0	.0	.1	*	*	4	.0	.1
9/10	.0	.0	.0	.0	.0	.1	.0	.1	.1	9	.0	.2
7/8	.0	.0	.0	.0	.0	.1	*	.7	.2	39	.0	1.0
6	.0	.0	.0	.0	.0	.1	.1	.3	.0	19	.0	.5
5	.0	.0	.0	.0	.0	*	.4	.6	.0	40	*	1.0
4	.0	.0	.0	.0	*	.4	1.1	.5	.0	79	.0	2.0
3	.0	.0	.0	.0	.1	.9	1.9	.4	*	131	*	3.4
2	.0	.0	.0	.0	.2	2.4	2.2	*	.0	182	*	4.8
1	.0	.0	.0	.1	.4	3.9	3.0	.1	.0	289	.1	7.5
0	.0	.0	.0	*	1.6	5.7	3.5	*	.0	401	.1	10.7
-1	.0	.0	.0	*	1.9	7.8	3.5	*	.0	492	.1	13.1
-2	.0	.0	.0	.1	2.6	10.4	1.1	.0	.0	521	.1	14.1
-3	.0	.0	.0	.1	3.3	9.4	.8	.0	.0	503	*	13.6
-4	.0	.0	.0	*	3.3	6.0	.2	.0	.0	343	.1	9.5
-5	.0	.0	.0	.1	3.6	3.3	.1	.0	.0	248	.1	6.9
-6	.0	.0	.0	.1	3.5	1.5	.1	.0	.0	190	.0	5.3
-7/-8	.0	*	.0	.3	3.1	.7	.0	.0	.0	147	.0	4.1
-9/-10	*	.0	.0	.3	1.0	.2	*	.0	.0	52	.0	1.4
-11/-13	.0	.0	.0	.1	.1	*	.0	.0	.0	8	.0	.2
-14/-16	.0	.0	.0	*	.0	.0	.0	.0	.0	1	.0	*
TOTAL										3699		
PCT	*	*	.0	1.2	24.6	52.8	18.2	2.8	.3	100.0	.6	99.4

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.0	.9	.0	.0	.0	.0	1.9
1-2	.3	1.9	.0	.0	.0	.0	2.2
3-4	.0	.5	.7	.0	.0	.0	1.2
5-6	.0	.0	.2	.0	.0	.0	.2
7	.0	.0	.2	.0	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	3.3	1.1	.0	.0	.0	5.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	1.4	.0	.0	.0	.0	1.5
1-2	.2	2.9	.3	.0	.0	.0	3.4
3-4	.0	.5	.8	.0	.0	.0	1.3
5-6	.0	.0	.5	.2	.0	.0	.7
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	4.8	1.6	.2	.0	.0	6.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	1.6	.0	.0	.0	.0	2.3
1-2	.6	5.1	1.2	.0	.0	.0	7.0
3-4	.2	3.1	4.3	.0	.0	.0	7.6
5-6	.0	.8	1.0	.0	.0	.0	1.8
7	.0	.0	.2	.0	.0	.0	.2
8-9	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.6	10.6	6.8	.3	.0	.0	19.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.2	1.7	.3	.0	.0	.0	3.4
1-2	.4	6.5	2.6	.0	.0	.0	9.7
3-4	.2	3.1	5.6	.0	.0	.0	8.9
5-6	.0	.4	3.8	.0	.0	.0	4.3
7	.0	.2	.6	.0	.0	.0	.8
8-9	.0	.0	.5	.2	.0	.0	.7
10-11	.0	.0	.2	.0	.0	.0	.2
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.2	.0	.0	.2
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.9	11.9	13.9	.4	.0	.0	28.2

PERIOD: (OVER-ALL) 1962-1978 ANNUAL AREA 0006 SOLOMON ISLANDS SW
TABLE 18 (CONT) 8.0S 159.3E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.1	1.4	.0	.0	.0	.0	2.4
1-2	1.7	3.3	.4	.0	.0	.0	5.4
3-4	.0	.8	2.4	.0	.0	.0	3.1
5-6	.0	.2	.3	.2	.0	.0	.6
7	.0	.2	.0	.0	.0	.0	.2
8-9	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.8	5.8	3.1	.2	.0	.0	11.9

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	1.8	.0	.0	.0	.0	2.2
1-2	.4	3.0	.5	.0	.0	.0	4.0
3-4	.0	1.2	.6	.0	.0	.0	1.8
5-6	.0	*	.2	.0	.0	.0	.2
7	.0	.1	.2	.3	.0	.0	.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.2	.0	.2
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	6.2	1.3	.3	.2	.0	9.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.6	.0	.0	.0	.0	.7
1-2	.3	1.2	.3	.0	.0	.0	1.9
3-4	.0	.5	.8	.0	.0	.0	1.4
5-6	.0	.1	1.0	.2	.0	.0	1.4
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	.3	1.0	.0	1.3
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	2.5	2.4	.7	1.0	.0	6.9

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	.6	.0	.0	.0	.0	.6
1-2	.5	1.4	.9	.0	.0	.0	2.8
3-4	.0	1.1	.3	.0	.0	.0	1.4
5-6	.0	.0	.8	.2	.0	.0	1.0
7	.0	.0	*	.0	.0	.0	*
8-9	.0	.0	.0	*	.0	.0	*
10-11	.0	.0	.0	*	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	3.0	2.0	.3	.0	.0	5.9

HGT	TOTAL PCT
<1	.6
1-2	2.8
3-4	1.4
5-6	1.0
7	*
8-9	*
10-11	*
12	.0
13-16	.0
17-19	.0
20-22	.0
23-25	.0
26-32	.0
33-40	.0
41-48	.0
49-60	.0
61-70	.0
71-86	.0
87+	.0
TOT PCT	93.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	13.8	9.8	.5	.0	.0	.0	24.1	
1-2	4.9	24.4	6.2	.0	.0	.0	35.5	
3-4	.4	10.3	14.8	.0	.0	.0	25.4	
5-6	.0	1.5	7.6	.7	.0	.0	9.8	
7	.0	.4	1.3	.3	.0	.0	2.0	
8-9	.0	.0	.6	.6	.0	.0	1.1	
10-11	.0	.0	.2	.5	1.1	.0	1.8	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.2	.0	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	19.0	46.5	31.1	2.3	1.1	.0	100.0	563

PERIOD: (OVER-ALL) 1953-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.8	14.4	20.3	7.5	2.3	.7	.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	308	3
6-7	.0	2.7	6.4	7.6	2.9	1.8	1.8	.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	148	5
8-9	.0	.7	1.6	2.3	1.3	.4	1.2	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	87	6
10-11	.0	.3	.7	1.0	1.0	.2	.5	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28	7
12-13	.0	.0	1.3	.4	.2	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	5
>13	.0	.0	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	6
INDET	7.0	1.5	2.1	.3	.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	72	1
TOTAL																				625	4
PCT	9.7	19.7	32.5	19.8	8.4	3.4	4.0	1.9	.8	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1894-1978
(OVER-ALL) 1864-1978

AREA 0006 SOLOMON ISLANDS SW
8.0S 159.3E

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	1	*
91/92	.8	3.6	.8	.0	.7	.0	.0	.2	.0	.6	.0	.3	23	.6
89/90	.4	.9	.0	2.2	.3	.4	.0	.4	1.3	4.3	3.8	1.7	57	1.5
87/88	14.7	20.0	19.3	15.0	9.2	2.8	2.9	.0	2.2	3.9	7.7	10.9	331	8.5
85/86	52.7	46.3	55.5	57.3	55.9	28.3	25.0	12.9	16.8	21.1	39.4	54.3	1426	36.5
83/84	16.7	22.4	17.4	17.6	25.0	38.7	35.4	38.9	33.4	35.1	31.1	22.3	1119	28.6
81/82	13.1	5.7	6.4	7.0	7.6	10.3	16.8	29.6	25.2	28.3	12.3	6.8	647	16.6
79/80	.8	1.2	.0	.9	.7	13.0	17.1	12.1	10.6	4.5	3.8	1.0	234	6.0
77/78	.8	.0	.3	.0	.3	3.6	2.5	3.8	.2	.3	.6	1.4	47	1.2
75/76	.0	.0	.3	.0	.3	.8	.4	1.6	.2	.0	.0	.3	15	.4
73/74	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	1.0	.3	6	.2
71/72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
69/70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
67/68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
65/66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
63/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	245	335	373	227	304	253	280	496	432	336	312	293	3906	100.0
MEAN	85.0	85.5	85.4	85.3	84.9	83.1	82.9	82.2	82.9	83.7	84.3	84.9	84.1	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1007		1006	1008	1007		1006	1009	1008	418
FEB	1009	1006	1005	1010	1009	1005	1006	1010	1010	551
MAR	1009		1006	1010	1010		1007	1010	1010	542
APR	1009	1007	1007	1009	1009	1010	1008	1010	1009	288
MAY	1011		1008	1009	1010		1009	1010	1009	335
JUN	1012	1010	1009	1012	1012	1010	1010	1013	1012	171
JUL	1012	1010	1008	1009	1010	1010	1010	1010	1010	335
AUG	1011	1008	1011	1012	1012		1009	1012	1012	389
SEP	1012		1010	1011	1011	1007	1009	1012	1011	408
OCT	1010		1008	1010	1010		1009	1011	1010	344
NOV	1010		1006	1008	1011	1005	1008	1009	1009	420
DEC	1009		1006	1009	1008	1006	1008	1009	1009	406
ANN	1010	1008	1008	1010	1010	1008	1008	1010	1010	4607
OBS	184	7	166	1902	179	9	147	2013		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	997	998	1001	1006	1009	1011	1013	1016	1018
FEB	1000	1002	1003	1008	1010	1011	1014	1015	1019
MAR	999	1001	1004	1008	1010	1012	1015	1019	1021
APR	996	998	1004	1008	1009	1011	1013	1018	1021
MAY	1000	1001	1002	1008	1010	1011	1014	1019	1020
JUN	1000	1003	1006	1009	1011	1014	1021	1022	1023
JUL	997	1000	1005	1008	1009	1012	1015	1022	1023
AUG	997	1000	1007	1009	1011	1013	1021	1023	1026
SEP	998	1002	1006	1009	1011	1013	1022	1024	1026
OCT	996	1000	1006	1008	1010	1012	1014	1015	1017
NOV	997	1000	1003	1007	1009	1011	1013	1015	1018
DEC	997	1000	1004	1007	1009	1011	1013	1015	1016

JANUARY

PERIOD: (PRIMARY) 1943-1978
(OVER-ALL) 1912-1978

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	25.0	.0	2.6	.0	.0	.0	.0	25.0	5.3	.0	.0	.0	5.3		.0	84.3
NE	11.6	.0	2.9	.0	.0	.0	.0	11.6	.0	.0	.0	.0	.0		.0	88.4
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SW	59.1	.0	.0	.0	.0	.0	.0	59.1	.0	.0	.0	.0	.0		.0	40.9
W	30.9	.0	.0	.0	.0	.0	.0	30.9	.0	.0	.0	.0	.0		.0	69.1
NW	20.7	3.6	3.6	.0	.0	.0	.0	24.3	.0	.0	.0	.0	.0		.0	75.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	18.9	.9	1.9	.0	.0	.0	.0	19.8	.9	.0	.0	.0	.9		.0	78.3
TOT OBS:	106															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	20.2	1.1	2.1	.0	.0	.0	.0	21.3	.0	.0	.0	.0	1.1		.0	77.7
06609	11.1	.0	.0	.0	.0	.0	.0	11.1	11.1	.0	.0	.0	.0		.0	77.8
12615	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
18621	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	18.5	.9	1.9	.0	.0	.0	.0	19.4	.9	.0	.0	.0	.9		.0	78.7
TOT OBS:	108															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	3.0	6.1	8.6	.0	.0	.0		17.8	10.8	18.0	.0	32.1	.0	.0	.0	.0	.0
NE	3.0	7.0	5.1	.9	.0	.0		16.1	9.4	16.7	.0	10.7	.0	.0	.0	100.0	.0
E	2.8	6.4	1.4	.0	.0	.0		12.6	8.6	11.8	.0	25.0	.0	75.0	.0	.0	.0
SE	.0	.0	.2	.0	.0	.0		.2	17.0	.0	.0	.0	.0	25.0	.0	.0	.0
S	1.9	3.7	.0	.0	.0	.0		5.6	8.5	4.3	.0	14.3	.0	.0	.0	.0	50.0
SW	.9	1.2	4.0	.0	.0	.0		6.1	12.0	7.0	.0	.0	.0	.0	.0	.0	.0
W	.9	6.8	5.1	.0	.0	.0		12.9	11.3	14.8	.0	.0	.0	.0	.0	.0	.0
NW	3.3	8.9	11.0	2.8	.0	.0		25.9	11.8	24.2	100.0	17.9	100.0	.0	.0	.0	50.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.8							2.8	.0	3.2	.0	.0	.0	.0	.0	.0	.0
TOT OBS	20	45	38	4	0	0	107		9.9	93	1	7	2	1	0	1	2
TOT PCT	18.7	42.1	35.5	3.7	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	4.9	8.2	4.7	.0	.0		17.8	10.8	17.8	25.0	.0	.0
NE	4.7	9.6	1.9	.0	.0		16.1	9.4	16.3	8.3	.0	33.3
E	7.7	4.2	.7	.0	.0		12.6	8.6	11.7	19.4	75.0	.0
SE	.0	.0	.2	.0	.0		.2	17.0	.0	.0	25.0	.0
S	1.9	3.7	.0	.0	.0		5.6	8.5	4.3	11.1	.0	33.3
SW	.9	4.2	.9	.0	.0		6.1	12.0	6.9	.0	.0	.0
W	3.3	8.1	3.3	.0	.0		12.9	11.3	16.6	.0	.0	.0
NW	7.5	12.6	4.9	.9	.0		25.9	11.8	25.0	36.1	.0	33.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.8						2.8	.0	3.2	.0	.0	.0
TOT OBS	36	52	18	1	0	107		9.9	94	9	1	3
TOT PCT	33.6	48.6	16.8	.9	.0		100.0		100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	3.2	16.0	41.5	35.1	4.3	.0	.0	9.8	100.0	94
06&09	.0	11.1	55.6	33.3	.0	.0	.0	11.1	100.0	9
12&15	.0	.0	.0	100.0	.0	.0	.0	17.0	100.0	1
18&21	.0	33.3	33.3	33.3	.0	.0	.0	6.3	100.0	3
TOT	3	17	45	38	4	0	0	9.9		107
PCT	2.8	15.9	42.1	35.5	3.7	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	7.4	.0	14.7		6.4
NE	.0	4.4	13.2	2.9		5.3
E	.0	8.8	10.3	.0		4.3
SE	.0	1.5	.0	.0		3.0
S	5.9	.0	5.9	.0		4.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	5.9		8.0
NW	.0	1.5	.0	17.6		7.6
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	1	4	5	7	17	5.8
TOT PCT	5.9	23.5	29.4	41.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	5.9	.0	5.9	.0	2.9	.0	.0	.0	.0	.0	7.4	
NE	.0	.0	.0	.0	2.9	.0	.0	.0	.0	.0	17.6	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19.1	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.8	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	5.9	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	5.9	.0	.0	.0	.0	.0	13.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	70.6	17
TOT OBS	1	0	1	0	3	0	0	0	0	0		
TOT PCT	5.9	.0	5.9	.0	17.6	.0	.0	.0	.0	.0		100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >3QYD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >1000	5.3	10.5	15.8	15.8	15.8	15.8	15.8	15.8
* OR >600	5.3	15.8	21.1	21.1	21.1	21.1	21.1	21.1
* OR >300	5.3	21.1	26.3	26.3	26.3	26.3	26.3	26.3
* OR >150	5.3	21.1	26.3	26.3	26.3	26.3	26.3	26.3
* OR > 0	5.3	26.3	31.6	31.6	31.6	31.6	31.6	31.6
TOTAL	1	5	6	6	6	6	6	6

TOTAL NUMBER OF OBS: 19 PCT FREQ NH <5/8: 88.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
5.3	5.3	31.6	21.1	5.3	5.3	21.1	.0	.0	5.3	19

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PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.9	.9	.9	.0	.0	2.8	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.9	.9	.9	.0	.0	2.8	
2<5	PCP	.9	.9	.0	.0	.0	.9	.9	.9	.0	.0	3.8	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.9	.9	.0	.0	.0	.9	.9	.9	.0	.0	3.8	
5<10	PCP	2.4	.2	.0	.0	.0	1.2	1.4	1.4	.0	.0	6.6	
	NO PCP	.9	.9	1.9	.0	.9	.0	.0	2.8	.0	.0	7.5	
	TOT %	3.3	1.2	1.9	.0	.9	1.2	1.4	4.2	.0	.0	14.2	
10+	PCP	1.7	1.2	.0	.0	.0	.0	.7	3.1	.0	.0	6.6	
	NO PCP	12.9	13.4	10.8	.2	4.7	2.1	9.0	17.0	.0	2.8	72.6	
	TOT %	14.7	14.6	10.8	.2	4.7	2.1	9.7	20.0	.0	2.8	79.2	
	TOT OBS												106
	TOT PCT	17.9	16.3	12.7	.2	5.7	5.2	13.0	26.2	.0	2.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.9	.0	.0		.9	
	11-21	.0	.0	.0	.0	.0	.9	.0	.9	.0		1.9	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.9	.9	.9	.0	.0	2.8	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.9	.9	.0	.0	.0	.9	.9	.0	.0		2.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.9	.0		.9	
	TOT %	.9	.9	.0	.0	.0	.9	.9	.9	.0	.0	3.8	
5<10	0-3	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.9	
	4-10	1.7	.2	.9	.0	.9	.0	.0	1.9	.0		5.7	
	11-21	1.7	.0	.0	.0	.0	1.2	1.4	2.4	.0		6.6	
	22+	.0	.9	.0	.0	.0	.0	.0	.0	.0		.9	
	TOT %	3.3	1.2	1.9	.0	.9	1.2	1.4	4.2	.0	.0	14.2	
10+	0-3	3.1	3.1	1.9	.0	1.9	.9	.9	3.3	.0	2.8	17.9	
	4-10	4.5	6.8	7.5	.0	2.8	1.2	5.9	7.1	.0		35.8	
	11-21	6.6	4.7	1.4	.2	.0	.0	2.8	7.8	.0		23.6	
	22+	.0	.0	.0	.0	.0	.0	.0	1.9	.0		1.9	
	TOT %	14.2	14.6	10.8	.2	4.7	2.1	9.7	20.0	.0	2.8	79.2	
	TOT OBS												106
	TOT PCT	17.9	16.3	12.7	.2	5.7	5.2	13.0	26.2	.0	2.8	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	12.5	.0	.0	12.5	25.0	.0	.0	.0	.0	.0	50.0	50.0	8
06&09	.0	.0	12.5	.0	12.5	.0	.0	.0	.0	.0	25.0	75.0	8
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	2
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	1
TOT	1	0	1	1	3	0	0	0	0	0	6	13	19
PCT	5.3	.0	5.3	5.3	15.8	.0	.0	.0	.0	.0	31.6	68.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	3.2	4.3	12.8	79.8	94
06&09	.0	.0	.0	.0	44.4	55.6	9
12&15	.0	.0	.0	.0	.0	100.0	2
18&21	.0	.0	.0	.0	.0	100.0	3
TOT	0	0	3	4	14	85	108
PCT	.0	.0	2.8	3.7	14.8	78.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	12.5	12.5	37.5	12.5	50.0	8
06&09	.0	12.5	12.5	12.5	75.0	8
12&15	.0	.0	.0	.0	100.0	2
18&21	.0	.0	.0	.0	100.0	1
TOT	1	2	4	2	13	19
PCT	5.3	10.5	21.1	10.5	68.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	6.6	2.6	.0	.0	7	9.2
85/89	.0	.0	.0	.0	2.6	15.8	6.6	2.6	21	27.6
80/84	.0	.0	.0	.0	.0	11.8	19.7	19.7	39	51.3
75/79	.0	.0	.0	.0	.0	.0	1.3	9.2	8	10.5
70/74	.0	.0	.0	.0	.0	.0	.0	1.3	1	1.3
TOTAL	0	0	0	0	7	23	21	25	76	100.0
PCT	.0	.0	.0	.0	9.2	30.3	27.6	32.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
1.3	1.6	2.3	.0	1.3	.0	1.3	1.3	.0	.0
2.0	6.6	7.9	.0	1.3	1.6	3.0	5.3	.0	.0
7.2	7.2	4.6	.3	2.6	1.3	7.6	20.4	.0	.0
1.6	.7	.0	.0	.0	2.6	2.6	3.0	.0	.0
1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
13.5	16.1	14.8	.3	5.3	5.6	14.5	29.9	.0	.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	91	90	90	84	76	68	68	83.8	94
06&09	84	83	83	82	80	80	80	82.1	9
12&15	83	82	82	82	82	82	82	82.5	2
18&21	83	82	82	82	82	82	82	82.3	3
TOT	91	90	90	84	77	68	68	83.6	108

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	10.6	30.3	24.2	34.8	83	66
06&09	.0	.0	.0	25.0	50.0	25.0	85	8
12&15	.0	.0	.0	50.0	50.0	.0	77	2
18&21	.0	.0	.0	50.0	50.0	.0	82	2
TOT	0	0	7	24	22	25	83	78

JANUARY

PERIOD: (PRIMARY) 1943-1976
(OVER-ALL) 1912-1976

AREA 0007 FUNAFUTI ATOLL
8.5S 179.0E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
7/8	.0	.0	.0	.0	4.3	2	.0	4.3
6	.0	.0	.0	.0	4.3	2	.0	4.3
5	.0	.0	.0	.0	2.1	1	.0	2.1
4	.0	.0	.0	2.1	.0	1	.0	2.1
3	.0	.0	.0	.0	2.1	1	.0	2.1
2	.0	.0	.0	8.5	2.1	5	.0	10.6
1	.0	.0	.0	6.4	.0	3	.0	6.4
0	.0	.0	4.3	6.4	.0	5	.0	10.6
-1	.0	.0	8.5	6.4	.0	7	.0	14.9
-2	.0	.0	6.4	.0	.0	3	.0	6.4
-3	.0	.0	10.6	.0	.0	5	.0	10.6
-4	.0	.0	4.3	.0	.0	2	.0	4.3
-5	.0	4.3	4.3	.0	.0	4	.0	8.5
-6	.0	2.1	2.1	.0	.0	2	.0	4.3
-7/-8	2.1	.0	2.1	.0	.0	2	.0	4.3
-9/-10	2.1	.0	.0	.0	.0	1	.0	2.1
-11/-13	2.1	.0	.0	.0	.0	1	.0	2.1
TOTAL	3		20		7		0	47
		3		14		47		
PCT	6.4	6.4	42.6	29.8	14.9	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	6.8	9.1	9.1	.0	.0	.0	25.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	6.8	9.1	9.1	.0	.0	.0	25.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	11.4	2.3	.0	.0	.0	13.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	6.8	9.1	9.1	.0	.0	.0	25.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	15.9	.0	.0	.0	.0	15.9
3-4	.0	.0	13.6	.0	.0	.0	13.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	15.9	13.6	.0	.0	.0	29.5

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	2.3	.0	.0	.0	2.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	2.3	.0	.0	.0	2.3

PERIOD: (OVER-ALL) 1963-1976 JANUARY AREA 0007 FUNAFUTI ATOLL

TABLE 18 (CONT) 8.5S 179.0E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	9.1	.0	.0	.0	9.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	9.1	.0	.0	.0	9.1

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	9.1	.0	.0	.0	9.1	
1-2	2.3	9.1	.0	.0	.0	.0	11.4	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.3	9.1	9.1	.0	.0	.0	20.5	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	9.1	.0	.0	.0	9.1	
1-2	9.1	45.5	9.1	.0	.0	.0	63.6	
3-4	.0	.0	27.3	.0	.0	.0	27.3	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	9.1	45.5	45.5	.0	.0	.0	100.0	11

PERIOD: (OVER-ALL) 1966-1976 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	8.3	.0	8.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	4
6-7	.0	8.3	8.3	16.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	4
8-9	.0	8.3	.0	8.3	8.3	.0	8.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	6
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
TOTAL	0	3	1	4	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	12	5
PCT	.0	25.0	8.3	33.3	25.0	.0	8.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1944-1976
(OVER-ALL) 1899-1976

AREA 0007 FUNAFUTI ATOLL
9.0S 179.0E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	6.1	6.1	8.2	.0	.0	.0	.0	20.4	.0	.0	.0	.0	.0		.0	79.6
NE	2.2	.0	.0	.0	.0	.0	.0	2.2	.0	.0	.0	.0	8.7		.0	89.1
E	6.8	9.1	9.1	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0		.0	75.0
SE	20.0	.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0		.0	80.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
W	93.3	.0	.0	.0	.0	.0	.0	93.3	.0	.0	.0	.0	.0		.0	46.7
NW	.0	3.4	.0	.0	.0	.0	.0	3.4	.0	13.8	.0	.0	.0		.0	82.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
TOT PCT	8.3	4.2	4.2	.0	.0	.0	.0	16.7	.0	2.1	.0	.0	2.1		.0	79.2
TOT OBS:	48															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	9.8	2.6	4.9	.0	.0	.0	.0	17.1	.0	.0	.0	.0	2.4		.0	80.5
06609	.0	25.0	.0	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0		.0	75.0
12615	.0	.0	.0	.0	.0	.0	.0	.0	.0	25.0	.0	.0	.0		.0	75.0
18621	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
TOT PCT	8.2	4.1	4.1	.0	.0	.0	.0	16.3	.0	2.0	.0	.0	2.0		.0	79.6
TOT OBS:	49															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	23.7	6.5	2.6	.0	.0	.0		32.8	4.1	33.7	.0	12.5	.0	28.6	.0	.0	.0
NE	10.1	6.8	1.0	.0	.0	.0		17.9	4.0	20.6	.0	.0	.0	10.7	.0	.0	.0
E	7.1	8.8	2.9	.0	.0	.0		18.8	6.2	16.3	.0	50.0	.0	17.9	.0	.0	.0
SE	1.3	.3	.0	.0	.0	.0		1.6	2.6	2.0	.0	.0	.0	.0	.0	.0	.0
S	2.3	1.0	.0	.0	.0	.0		3.2	2.9	4.0	.0	.0	.0	.0	.0	.0	.0
SW	1.6	.3	.0	.0	.0	.0		1.9	2.5	2.4	.0	.0	.0	.0	.0	.0	.0
W	1.9	5.2	.0	1.3	.0	.0		8.4	9.5	5.6	.0	16.7	.0	28.6	.0	.0	.0
NW	6.5	4.9	2.6	.0	.0	.0		14.0	6.5	11.9	.0	20.8	.0	14.3	.0	100.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.3							1.3	.0	1.6	.0	.0	.0	.0	.0	.0	.0
TOT OBS	43	26	7	1	0	0	77		5.1	63	0	6	0	7	0	1	0
TOT PCT	55.8	33.8	9.1	1.3	.0	.0		100.0		100.0	.0	100.0	.0	100.0	.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	28.2	3.2	1.3	.0	.0		32.8	4.1	33.7	12.5	28.6	.0
NE	14.3	3.6	.0	.0	.0		17.9	4.0	20.6	.0	10.7	.0
E	10.7	8.1	.0	.0	.0		18.8	6.2	16.3	50.0	17.9	.0
SE	1.6	.0	.0	.0	.0		1.6	2.6	2.0	.0	.0	.0
S	3.2	.0	.0	.0	.0		3.2	2.9	4.0	.0	.0	.0
SW	1.9	.0	.0	.0	.0		1.9	2.5	2.4	.0	.0	.0
W	1.9	3.2	1.3	.0	.0		8.4	9.5	5.6	16.7	28.6	.0
NW	8.1	3.2	2.6	.0	.0		14.0	6.5	11.9	20.8	14.3	100.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.3						1.3	.0	1.6	.0	.0	.0
TOT OBS	55	18	4	0	0	77		5.1	63	6	7	1
TOT PCT	71.4	23.4	5.2	.0	.0		100.0		100.0	100.0	100.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1944-1976
(OVER-ALL) 1899-1976

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.6	61.9	31.7	3.2	1.6	.0	.0	4.1	100.0	63
06&09	.0	16.7	50.0	33.3	.0	.0	.0	10.1	100.0	6
12&15	.0	28.6	28.6	42.9	.0	.0	.0	9.2	100.0	7
18&21	.0	.0	100.0	.0	.0	.0	.0	9.0	100.0	1
TOT	1	42	26	7	1	0	0	5.1		77
PCT	1.3	54.5	33.8	9.1	1.3	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	9.4	.0		6.0
NE	.0	6.3	.0	.0		3.0
E	12.5	31.3	12.5	.0		3.6
SE	.0	.0	.0	.0		.0
S	.0	.0	.0	.0		.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	15.6	12.5		6.4
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	1	3	3	1	8	4.6
TOT PCT	12.5	37.5	37.5	12.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 2499	2500 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	9.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	
E	12.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	43.8	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	3.1	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	12.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	2	0	0	0	1	0	0	0	0	0	0	5	8
TOT PCT	25.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	62.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >5OYD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >1000	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
* OR >600	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
* OR >300	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
* OR >150	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
* OR > 0	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
TOTAL	3	3	3	3	3	3	3	3

TOTAL NUMBER OF OBS: 9 PCT FREQ NH <5/8: 66.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.0	.0	10.0	50.0	.0	10.0	20.0	.0	10.0	.0	10

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PERIOD: (PRIMARY) 1944-1976
(OVER-ALL) 1899-1976

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	4.3	.0	.0	.0	4.3	
1<2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	4.3	.0	.0	.0	4.3	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	1.6	.5	.0	.0	.0	.0	.0	.0	2.1	
5<10	NO PCP	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	2.1	
	TOT %	.0	2.1	1.6	.5	.0	.0	.0	.0	.0	.0	4.3	
	PCP	3.7	.0	4.3	.0	.0	.0	.0	.5	.0	.0	8.5	
10+	NO PCP	20.7	21.8	17.6	2.1	.0	2.1	3.7	14.9	.0	.0	83.0	
	TOT %	24.5	21.8	21.8	2.1	.0	2.1	3.7	15.4	.0	.0	91.5	
	TOT OBS												47
	TOT PCT	24.5	23.9	23.4	2.7	.0	2.1	8.0	15.4	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	2.1	.0	.0		2.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	2.1	.0	.0		2.1	
	TOT %	.0	.0	.0	.0	.0	.0	4.2	.0	.0	.0	4.2	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	4-10	.0	2.1	1.6	.5	.0	.0	.0	.0	.0		4.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	2.1	1.6	.5	.0	.0	.0	.0	.0	.0	4.2	
	0-3	15.1	13.5	9.9	2.1	.0	2.1	1.6	5.7	.0	.0	50.0	
10+	4-10	8.9	6.8	8.3	.0	.0	.0	2.1	5.2	.0		31.3	
	11-21	2.1	1.0	3.1	.0	.0	.0	.0	4.2	.0		10.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	26.0	21.4	21.4	2.1	.0	2.1	3.6	15.1	.0	.0	91.7	
	TOT OBS												48
	TOT PCT	26.0	23.4	22.9	2.6	.0	2.1	7.8	15.1	.0	.0	100.0	

PERIOD: (PRIMARY) 1964-1978
(OVER-ALL) 1899-1978

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00603	33.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	33.3	66.7	3
06609	25.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25.0	75.0	4
12615	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0	50.0	50.0	2
18621	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
TOT	2	0	0	0	1	0	0	0	0	0	3	6	9
PCT	22.2	.0	.0	.0	11.1	.0	.0	.0	.0	.0	33.3	66.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00603	.0	.0	4.9	.0	4.9	90.2	41
06609	.0	.0	.0	.0	.0	100.0	4
12615	.0	.0	.0	.0	.0	100.0	4
18621	.0	.0	.0	.0	.0	.0	0
TOT	0	0	2	0	2	45	49
PCT	.0	.0	4.1	.0	4.1	91.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	33.3	33.3	33.3	.0	66.7	3
06609	25.0	25.0	25.0	.0	75.0	4
12615	.0	.0	.0	50.0	50.0	2
18621	.0	.0	.0	.0	.0	0
TOT	2	2	2	1	6	9
PCT	22.2	22.2	22.2	11.1	66.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	1.4	.0	.0	.0	1	1.4
90/94	.0	.0	1.4	.0	5.6	4.2	2.8	.0	10	13.9
85/89	.0	.0	.0	.0	6.9	26.4	5.6	2.8	30	41.7
80/84	.0	.0	.0	.0	2.8	5.6	25.0	6.9	29	40.3
75/79	.0	.0	.0	.0	.0	1.4	1.4	.0	2	2.8
TOTAL	0	0	1	0	12	27	25	7	72	100.0
PCT	.0	.0	1.4	.0	16.7	37.5	34.7	9.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
4.5	3.8	2.4	.0	.0	.0	.0	.0	.0	.0
13.2	8.3	6.3	1.7	2.1	.7	3.5	4.5	.0	1.4
13.5	5.6	10.1	.0	1.4	1.4	4.2	4.2	.0	.0
1.0	.0	.0	.0	.0	.0	1.4	.3	.0	.0
33.7	17.7	18.8	1.7	3.5	2.1	9.0	12.2	.0	1.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00603	96	95	91	86	80	77	77	85.6	64
06609	85	84	84	83	82	82	82	83.0	9
12615	83	82	82	82	81	81	81	82.3	6
18621	80	80	80	80	80	80	80	80.0	1
TOT	96	95	91	85	80	77	77	85.1	76

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00603	.0	1.6	19.7	42.6	26.2	9.8	76	61
06609	.0	.0	.0	20.0	60.0	20.0	82	5
12615	.0	.0	.0	.0	100.0	.0	84	6
18621	.0	.0	.0	.0	100.0	.0	83	1
TOT	0	1	12	27	26	7	77	73

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PERIOD: (PRIMARY) 1944-1976
(OVER-ALL) 1899-1976

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
11/13	.0	.0	.0	4.3	1	.0	4.3
6	.0	.0	.0	4.3	1	.0	4.3
4	.0	.0	4.3	4.3	2	.0	8.7
2	.0	.0	4.3	.0	1	.0	4.3
1	.0	4.3	.0	.0	1	.0	4.3
0	.0	4.3	4.3	.0	2	.0	8.7
-1	.0	17.4	8.7	.0	6	.0	26.1
-2	.0	8.7	.0	.0	2	.0	8.7
-3	.0	4.3	.0	.0	1	.0	4.3
-4	13.0	.0	.0	.0	3	.0	13.0
-5	4.3	4.3	.0	.0	2	.0	8.7
-7/-8	4.3	.0	.0	.0	1	.0	4.3
TOTAL	5	10	5	3	23	0	23
PCT	21.7	43.5	21.7	13.0	100.0		100.0

PERIOD: (OVER-ALL) 1962-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	18.8	.0	.0	.0	.0	.0	18.8
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	18.8	.0	.0	.0	.0	.0	18.8

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	25.0	.0	.0	.0	.0	.0	25.0
5-6	.0	.0	25.0	.0	.0	.0	25.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	25.0	.0	25.0	.0	.0	.0	50.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1976

FEBRUARY

TABLE 18 (CONT)

AREA 0007 FUNAFUTI ATOLL
9.05 179.08

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	25.0	.0	.0	.0	25.0	25.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	25.0	.0	.0	.0	.0	25.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	6.3	.0	.0	.0	.0	.0	6.3	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	6.3	.0	.0	.0	.0	.0	6.3	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	25.0	25.0	.0	.0	.0	.0	50.0	
3-4	25.0	.0	.0	.0	.0	.0	25.0	
5-6	.0	.0	25.0	.0	.0	.0	25.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	50.0	25.0	25.0	.0	.0	.0	100.0	4

PERIOD: (OVER-ALL) 1951-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	25.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	2
6-7	.0	.0	.0	12.5	12.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	6
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
10-11	.0	.0	37.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDEF	.0	.0	12.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
TOTAL	0	2	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	4
PCT	.0	25.0	50.0	12.5	12.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1873-1977

AREA 0007 FUNAFUTI ATOLL
8.5S 179.1E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
NE	.0	1.2	.0	.0	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0		98.8
E	5.7	5.7	.0	.0	.0	.0	.0	11.3	.0	.0	.0	.0	.0	.0		88.7
SE	20.0	.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0		80.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
W	.0	60.0	.0	.0	.0	.0	.0	60.0	.0	.0	.0	.0	.0	.0		40.0
NW	22.9	5.7	11.4	.0	.0	.0	.0	40.0	11.4	.0	.0	.0	.0	.0		48.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
TOT PCT	5.2	5.2	1.7	.0	.0	.0	.0	12.1	1.7	.0	.0	.0	.0	.0		86.2
TOT OBS:	58															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00&03	4.2	2.1	2.1	.0	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0		91.7
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		100.0
12&15	33.3	.0	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0		66.7
18&21	.0	50.0	.0	.0	.0	.0	.0	50.0	25.0	.0	.0	.0	.0	.0		25.0
TOT PCT	5.2	5.2	1.7	.0	.0	.0	.0	12.1	1.7	.0	.0	.0	.0	.0		86.2
TOT OBS:	58															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SP_D	00	03	06	09	12	15	18	21
N	4.4	4.8	2.8	.0	.0	.0		12.1	7.8	10.3	.0	.0	75.0	.0	.0	18.8	.0
NE	8.9	25.4	1.6	.0	.0	.0		35.9	5.7	37.7	25.0	.0	25.0	50.0	100.0	6.3	.0
E	4.4	12.9	6.5	1.6	.0	.0		25.4	9.0	29.4	75.0	.0	.0	.0	.0	.0	.0
SE	.0	2.0	.0	.0	.0	.0		2.0	5.8	2.5	.0	.0	.0	.0	.0	.0	.0
S	.0	1.6	.0	.0	.0	.0		1.6	8.0	2.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	3.2	.0	.0	.0	.0		3.2	5.0	2.0	.0	100.0	.0	.0	.0	.0	.0
W	.0	2.4	1.6	.0	.0	.0		4.0	11.0	2.0	.0	.0	.0	.0	.0	37.5	.0
NW	.0	10.5	2.0	1.6	.0	.0		14.1	10.6	12.3	.0	.0	.0	50.0	.0	37.5	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6							1.6	.0	2.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	12	39	9	2	0	0	62		7.6	51	1	1	2	2	1	4	0
TOT PCT	19.4	62.9	14.5	3.2	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SP_D	00 03	06 09	12 15	18 21
N	6.9	2.4	2.8	.0	.0		12.1	7.8	10.1	50.0	.0	18.8
NE	24.6	11.3	.0	.0	.0		35.9	5.7	37.5	16.7	66.7	6.3
E	10.1	13.7	1.6	.0	.0		25.4	9.0	30.3	.0	.0	.0
SE	2.0	.0	.0	.0	.0		2.0	5.8	2.4	.0	.0	.0
S	.0	1.6	.0	.0	.0		1.6	8.0	1.9	.0	.0	.0
SW	3.2	.0	.0	.0	.0		3.2	5.0	1.9	33.3	.0	.0
W	.0	4.0	.0	.0	.0		4.0	11.0	1.9	.0	.0	37.5
NW	4.8	9.6	3.6	.0	.0		14.1	10.6	12.0	.0	33.3	37.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.6						1.6	.0	1.9	.0	.0	.0
TOT OBS	33	24	5	0	0	62		7.6	52	3	3	4
TOT PCT	53.2	38.7	8.1	.0	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1873-1977

AREA 0007 FUNAFUTI ATOLL
8.5S 179.1E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&06	1.9	21.2	61.5	11.5	3.8	.0	.0	7.1	100.0	52
06&09	.0	.0	66.7	33.3	.0	.0	.0	9.3	100.0	3
12&15	.0	.0	33.3	66.7	.0	.0	.0	12.6	100.0	3
18&21	.0	.0	100.0	.0	.0	.0	.0	9.0	100.0	4
TOT	1	11	39	9	2	0	0	7.6		62
PCT	1.6	17.7	62.9	14.5	3.2	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	1.8	12.5	7.1	7.1		4.8
E	5.4	16.1	.0	.0		2.5
SE	.0	.0	.0	.0		.0
S	7.1	.0	.0	.0		2.0
SW	.0	7.1	.0	.0		3.0
W	.0	.0	.0	10.7		8.0
NW	.0	.0	.0	25.0		8.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	2	5	1	6	14	5.1
TOT PCT	14.3	35.7	7.1	42.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000-149	150-299	300-599	600-999	1000-1999	2000-3499	3500-4999	5000-6499	6500-7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28.6	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21.4	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.7	
NW	7.1	.0	7.1	.0	.0	.0	.0	.0	.0	.0	10.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	1	0	1	0	0	0	0	0	0	0	12	14
TOT PCT	7.1	.0	7.1	.0	.0	.0	.0	.0	.0	.0	85.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >90YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >1000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >600	.0	.0	.0	.0	.0	.0	.0	.0
* OR >300	.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1
* OR >150	.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1
* OR > 0	.0	7.1	14.3	14.3	14.3	14.3	14.3	14.3
TOTAL	0	1	2	2	2	2	2	2

TOTAL NUMBER OF OBS: 14 PCT FREQ NH <5/8: 85.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
6.3	25.0	31.3	6.3	18.8	.0	.0	.0	6.3	16

MARCH

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1873-1977

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8.65 179.12

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	PCP	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	1.7	
2<5	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	1.7	
	PCP	.0	.0	.0	.0	.0	.0	1.3	2.2	.0	.0	3.4	
5<10	NO PCP	.0	3.4	.0	.0	.0	.0	.0	1.7	.0	.0	5.2	
	TOT %	.0	3.4	.0	.0	.0	.0	1.3	3.9	.0	.0	8.6	
	PCP	.0	.4	2.6	.4	.0	.0	1.3	2.2	.0	.0	6.9	
10+	NO PCP	11.6	33.2	20.3	1.7	1.7	3.4	1.7	7.3	.0	1.7	82.8	
	TOT %	11.6	33.6	22.8	2.2	1.7	3.4	3.0	9.5	.0	1.7	89.7	
	TOT OBS												58
	TOT PCT	11.6	37.1	22.8	2.2	1.7	3.4	4.3	13.1	.0	1.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
<1/2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	1.7	.0		1.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	1.7	
	0-3	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	1.7	
5<10	4-10	.0	1.7	.0	.0	.0	.0	1.3	2.2	.0		5.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	1.7	.0		1.7	
	TOT %	.0	3.4	.0	.0	.0	.0	1.3	3.9	.0	.0	8.6	
	0-3	3.4	7.3	4.7	.0	.0	.0	.0	.0	.0	1.7	17.2	
10+	4-10	5.2	24.6	13.9	2.2	1.7	3.4	1.3	9.1	.0		60.3	
	11-21	3.0	1.7	3.4	.0	.0	.0	1.7	.4	.0		10.3	
	22+	.0	.0	1.7	.0	.0	.0	.0	.0	.0		1.7	
	TOT %	11.6	33.6	22.8	2.2	1.7	3.4	3.0	9.5	.0	1.7	89.7	
	TOT OBS												58
	TOT PCT	11.6	37.1	22.8	2.2	1.7	3.4	4.3	13.1	.0	1.7	100.0	

MARCH

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1873-1977

AREA 0007 FUNAFUTI ATOLL
8.53 179.18

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NN >4/8) AND OCCURRENCE OF NN <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NN <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	11.1	.0	.0	.0	.0	.0	.0	.0	11.1	88.9	9
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	1
12&15	50.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	50.0	50.0	2
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	4
TOT	1	0	1	0	0	0	0	0	0	0	2	14	16
PCT	6.3	.0	6.3	.0	.0	.0	.0	.0	.0	.0	12.5	87.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NN) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	4.2	95.8	48
06&09	.0	.0	.0	.0	.0	100.0	3
12&15	.0	.0	.0	33.3	33.3	33.3	3
18&21	.0	.0	.0	.0	50.0	50.0	4
TOT	0	0	0	1	5	52	58
PCT	.0	.0	.0	1.7	8.6	89.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NN) AND/OR CEILING HGT (FEET, NN >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND5+	NN <5/8 AND 5+	TOTAL OBS
00&03	.0	12.5	12.5	.0	87.5	8
06&09	.0	.0	.0	.0	100.0	1
12&15	50.0	50.0	50.0	.0	50.0	2
18&21	.0	.0	.0	.0	100.0	3
TOT	1	2	2	0	12	14
PCT	7.1	14.3	14.3	.0	85.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	3.7	18.5	5.6	1.9	10	29.6
85/89	.0	.0	.0	.0	3.7	16.7	16.7	1.9	21	38.9
80/84	.0	.0	.0	.0	.0	11.1	9.3	5.6	14	25.9
75/79	.0	.0	.0	.0	.0	.0	1.9	3.7	3	5.6
TOTAL	0	0	0	0	4	25	18	7	54	100.0
PCT	.0	.0	.0	.0	7.4	46.3	33.3	13.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
1.9	17.1	10.6	.0	.0	.0	.0	.0	.0	.0
7.9	10.2	6.9	2.3	1.9	1.9	1.9	4.2	.0	1.9
1.4	6.5	6.9	.0	.0	1.9	2.8	6.5	.0	.0
.0	.0	.0	.0	.0	.0	.0	5.6	.0	.0
11.1	33.8	24.5	2.3	1.9	3.7	4.6	16.2	.0	1.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	94	93	93	87	81	79	79	87.3	52
06&09	86	85	85	85	84	84	84	85.3	3
12&15	82	81	81	78	70	70	70	76.7	3
18&21	83	82	82	82	79	79	79	82.0	4
TOT	94	93	93	86	79	70	70	86.3	62

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	8.3	50.0	31.3	10.4	79	48
06&09	.0	.0	.0	100.0	.0	.0	72	1
12&15	.0	.0	.0	.0	.0	100.0	91	1
18&21	.0	.0	.0	.0	75.0	25.0	85	4
TOT	0	0	4	25	18	7	79	54

MARCH

PERIOD: (PRIMARY) 1944-1977
(OVER-ALL) 1873-1977

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
7/8	.0	.0	.0	4.5	1	.0	4.5
6	.0	.0	.0	4.5	1	.0	4.5
5	.0	.0	4.5	.0	1	.0	4.5
3	.0	.0	.0	4.5	1	.0	4.5
1	.0	.0	9.1	.0	2	.0	9.1
0	.0	36.4	4.5	.0	9	.0	40.9
-1	.0	.0	4.5	.0	1	.0	4.5
-2	.0	9.1	.0	.0	2	.0	9.1
-3	4.5	4.5	.0	.0	2	.0	9.1
-4	4.5	.0	.0	.0	1	.0	4.5
-11/-13	4.5	.0	.0	.0	1	.0	4.5
TOTAL	3	11	5	3	22	0	22
PCT	13.6	50.0	22.7	13.6	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	22.5	.0	.0	.0	.0	22.5
3-4	.0	7.5	.0	.0	.0	.0	7.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	30.0	.0	.0	.0	.0	30.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	7.5	.0	.0	.0	.0	7.5
3-4	.0	22.5	.0	.0	.0	.0	22.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	30.0	.0	.0	.0	.0	30.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1977 MARCH AREA 0007 FUNAFUTI ATOLL

TABLE 18 (CONT) 8.55 179.18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	10.0	.0	.0	.0	.0	10.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.0	.0	.0	.0	.0	10.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	15.0	.0	.0	.0	.0	15.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	15.0	.0	.0	.0	.0	15.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	5.0	.0	.0	.0	.0	5.0	
3-4	.0	.0	.0	10.0	.0	.0	10.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	5.0	.0	10.0	.0	.0	15.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	10.0	.0	.0	.0	.0	10.0	
1-2	.0	50.0	.0	.0	.0	.0	50.0	
3-4	.0	30.0	.0	10.0	.0	.0	40.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	90.0	.0	10.0	.0	.0	100.0	10

PERIOD: (OVER-ALL) 1994-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	18.2	27.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	3
6-7	.0	.0	.0	.0	18.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
8-9	.0	.0	.0	27.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	5
10-11	.0	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	2
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
TOTAL	0	3	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	4
PCT	.0	27.3	27.3	27.3	18.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1944-1975
(OVER-ALL) 1881-1975

AREA 0007 FUNAFUTI ATOLL
8.5S 179.0E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	ND SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	10.5	.0	.0	.0	.0	.0	.0	89.5
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	4.5	.0	.0	.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0	95.5
SE	.0	17.4	.0	.0	.0	.0	.0	17.4	.0	.0	.0	.0	.0	.0	.0	82.6
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	15.4	.0	.0	.0	.0	.0	.0	15.4	.0	.0	.0	.0	.0	.0	.0	84.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	1.6	1.6	1.6	.0	.0	.0	.0	4.8	1.6	.0	.0	.0	.0	.0	.0	93.5
TOT OBS:	62															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	ND SIG WEA
00&03	2.2	.0	.0	.0	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	97.8
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18&21	.0	14.3	14.3	.0	.0	.0	.0	28.6	14.3	.0	.0	.0	.0	.0	.0	57.1
TOT PCT	1.6	1.6	1.6	.0	.0	.0	.0	4.8	1.6	.0	.0	.0	.0	.0	.0	93.5
TOT OBS:	62															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)								HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	3.2	6.0	4.4	2.4	.0	.0		15.9	10.3	13.0	.0	.0	.0	.0	50.0	60.0	.0
NE	4.4	11.9	1.6	.0	.0	.0		17.9	6.2	14.7	.0	33.3	.0	75.0	25.0	.0	.0
E	2.0	28.6	4.4	.0	.0	.0		34.9	7.4	36.4	.0	66.7	.0	.0	25.0	15.0	100.0
SE	.0	5.6	3.6	.0	.0	.0		9.1	8.9	7.6	.0	.0	.0	25.0	.0	25.0	.0
S	.0	3.2	.0	.0	.0	.0		3.2	5.0	4.3	.0	.0	.0	.0	.0	.0	.0
SW	.0	1.6	.0	.0	.0	.0		1.6	9.0	2.2	.0	.0	.0	.0	.0	.0	.0
W	.0	3.2	.0	.0	.0	.0		3.2	7.0	2.2	.0	.0	100.0	.0	.0	.0	.0
NW	3.2	6.7	.4	.8	.0	.0		11.1	7.0	15.2	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.2							3.2	.0	4.3	.0	.0	.0	.0	.0	.0	.0
TOT OBS	10	42	9	2	0	0	63		7.4	46	0	3	1	4	2	5	1
TOT PCT	15.9	66.7	14.3	3.2	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)							HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	9.1	4.4	.8	1.6	.0		15.9	10.3	13.0	.0	16.7	62.9
NE	9.9	7.9	.0	.0	.0		17.9	6.2	14.7	33.0	58.3	.0
E	21.8	10.3	2.8	.0	.0		34.9	7.4	36.4	80.0	8.3	39.3
SE	4.8	4.0	.4	.0	.0		9.1	8.9	7.6	.0	16.7	17.9
S	3.2	.0	.0	.0	.0		3.2	5.0	4.3	.0	.0	.0
SW	.0	1.6	.0	.0	.0		1.6	9.0	2.2	.0	.0	.0
W	1.6	1.6	.0	.0	.0		3.2	7.0	2.2	33.0	.0	.0
NW	6.7	3.6	.8	.0	.0		11.1	7.0	15.2	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.2						3.2	.0	4.3	.0	.0	.0
TOT OBS	38	21	3	1	0	63		7.4	46	4	6	7
TOT PCT	60.3	33.3	4.8	1.6	.0		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1944-1975
(OVER-ALL) 1881-1975

AREA 0007 FUNAFUTI ATOLL
8.5S 179.0E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	4.3	13.0	71.7	8.7	2.2	.0	.0	6.3	100.0	46
06&09	.0	.0	50.0	50.0	.0	.0	.0	13.2	100.0	4
12&15	.0	33.3	50.0	16.7	.0	.0	.0	6.6	100.0	6
18&21	.0	.0	57.1	28.6	14.3	.0	.0	12.1	100.0	7
TOT	2	8	42	9	2	0	0	7.4		63
PCT	3.2	12.7	66.7	14.3	3.2	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	10.0	20.0		7.3
NE	10.0	.0	20.0	.0		4.0
E	.0	10.0	.0	10.0		6.0
SE	10.0	.0	.0	10.0		5.0
S	.0	.0	.0	.0		.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	2	1	3	4	10	5.0
TOT PCT	20.0	10.0	30.0	40.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCUARRENCE OF NH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	10.0	.0	.0	10.0	.0	.0	.0	.0	10.0	
.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	20.0	
.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	10.0	
.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	10.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
0	0	1	1	1	2	0	0	0	0	.0	
.0	.0	10.0	10.0	10.0	20.0	.0	.0	.0	.0	50.0	10
											100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
* OR >1000	20.0	20.0	30.0	30.0	30.0	30.0	30.0	30.0
* OR >600	30.0	30.0	40.0	40.0	40.0	40.0	40.0	40.0
* OR >300	40.0	40.0	50.0	50.0	50.0	50.0	50.0	50.0
* OR >150	40.0	40.0	50.0	50.0	50.0	50.0	50.0	50.0
* OR > 0	40.0	40.0	50.0	50.0	50.0	50.0	50.0	50.0
TOTAL	4	4	5	5	5	5	5	5

TOTAL NUMBER OF OBS: 10

PCT FREQ NH <5/8: 50.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
10.0	.0	20.0	10.0	10.0	10.0	10.0	.0	30.0	.0	10

APRIL

PERIOD: (PRIMARY) 1944-1975
(OVER-ALL) 1881-1975

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	1.6	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	1.6	
5<10	PCP	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	1.6	
	NO PCP	2.8	.0	.0	.0	.0	.0	.0	.4	.0	.0	3.2	
	TOT %	2.8	.0	1.6	.0	.0	.0	.0	.4	.0	.0	4.8	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	1.6	.0	.0	1.6	
	NO PCP	12.5	18.1	33.9	7.7	3.2	1.6	3.2	8.9	.0	3.2	91.9	
	TOT %	12.5	18.1	33.9	7.7	3.2	1.6	3.2	10.1	.0	3.2	93.5	
	TOT OBS												62
	TOT PCT	15.3	18.1	35.5	9.3	3.2	1.6	3.2	10.9	.0	3.2	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	1.6	.0	.0	.0	.0	.0		1.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	1.6	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	1.6	.0	.0	.0	.0	.0	.0		1.6	
	11-21	2.8	.0	.0	.0	.0	.0	.0	.4	.0		3.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	2.8	.0	1.6	.0	.0	.0	.0	.4	.0	.0	4.8	
10+	0-3	3.2	4.4	2.0	.0	.0	.0	.0	3.2	.0	3.2	16.1	
	4-10	6.0	12.1	27.4	5.6	3.2	1.6	3.2	6.9	.0		66.1	
	11-21	1.6	1.6	4.4	2.0	.0	.0	.0	.0	.0		9.7	
	22+	1.6	.0	.0	.0	.0	.0	.0	.0	.0		1.6	
	TOT %	12.5	18.1	33.9	7.7	3.2	1.6	3.2	10.1	.0	3.2	93.5	
	TOT OBS												62
	TOT PCT	15.3	18.1	35.5	9.3	3.2	1.6	3.2	10.5	.0	3.2	100.0	

APRIL

PERIOD: (PRIMARY) 1944-1975
(OVER-ALL) 1881-1975

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	1
06&09	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	33.3	66.7	3
12&15	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	33.3	66.7	3
18&21	.0	.0	33.3	.0	33.3	33.3	.0	.0	.0	.0	100.0	.0	3
TOT	0	0	1	1	1	2	0	0	0	0	5	5	10
PCT	.0	.0	10.0	10.0	10.0	20.0	.0	.0	.0	.0	50.0	50.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	4.4	95.6	45
06&09	.0	.0	.0	.0	.0	100.0	4
12&15	.0	.0	.0	.0	.0	100.0	6
18&21	.0	.0	.0	14.3	14.3	71.4	7
TOT	0	0	0	1	3	58	62
PCT	.0	.0	.0	1.6	4.8	93.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	.0	100.0	1
06&09	.0	.0	33.3	.0	66.7	3
12&15	.0	.0	.0	33.3	66.7	3
18&21	.0	33.3	66.7	33.3	.0	3
TOT	0	1	3	2	5	10
PCT	.0	10.0	30.0	20.0	50.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	2.2	4.4	.0	.0	3	6.7
90/94	.0	.0	.0	.0	.0	6.7	15.6	2.2	11	24.4
85/89	.0	.0	.0	.0	2.2	6.7	28.9	6.7	20	44.4
80/84	.0	.0	.0	.0	.0	6.7	8.9	2.2	8	17.8
75/79	.0	.0	.0	.0	.0	.0	4.4	2.2	3	6.7
TOTAL	0	0	0	0	2	11	26	6	45	100.0
PCT	.0	.0	.0	.0	4.4	24.4	57.8	13.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	2.8	1.7	.0	.0	.0	.0	.0	.0	2.2
2.2	.0	11.1	4.4	.0	.0	.0	4.4	.0	2.2
1.7	10.0	16.1	2.8	2.2	2.2	2.2	7.2	.0	.0
6.1	4.4	2.2	2.2	.0	.0	.0	2.8	.0	.0
2.2	.0	2.2	2.2	.0	.0	.0	.0	.0	.0
12.2	17.2	33.3	11.7	2.2	2.2	2.2	14.4	.0	4.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	95	94	94	89	83	81	81	88.6	45
06&09	84	83	83	81	79	79	79	82.0	4
12&15	84	83	83	82	80	80	80	82.3	6
18&21	84	83	83	81	77	77	77	80.7	7
TOT	95	94	94	87	79	77	77	86.6	62

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	5.4	21.6	59.5	13.5	83	37
06&09	.0	.0	.0	50.0	50.0	.0	80	2
12&15	.0	.0	.0	50.0	50.0	.0	79	2
18&21	.0	.0	.0	25.0	50.0	25.0	85	4
TOT	0	0	2	11	26	6	83	45

APRIL

PERIOD: (PRIMARY) 1944-1975
(OVER-ALL) 1881-1979

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
6	.0	.0	.0	4.8	1	.0	4.8
4	.0	.0	4.8	.0	1	.0	4.8
2	.0	.0	4.8	.0	1	.0	4.8
1	.0	.0	4.8	.0	1	.0	4.8
0	.0	19.0	4.8	.0	5	.0	23.8
-1	.0	4.8	.0	.0	1	.0	4.8
-2	.0	14.3	.0	.0	3	.0	14.3
-3	4.8	4.8	.0	.0	2	.0	9.5
-4	14.3	9.5	.0	.0	5	.0	23.8
-7/-8	4.8	.0	.0	.0	1	.0	4.8
TOTAL	5		4			0	21
		11		1	21		
PCT	23.8	52.4	19.0	4.8	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	16.7	16.7	.0	.0	.0	33.3
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	16.7	16.7	.0	.0	.0	33.3

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	16.7	.0	.0	.0	16.7
7	.0	.0	16.7	.0	.0	.0	16.7
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	33.3	.0	.0	.0	33.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	33.3	.0	.0	.0	33.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	33.3	.0	.0	.0	33.3

PERIOD: (OVER-ALL) 1963-1975 APRIL AREA 0007 FUNAFUTI ATOLL 8.9S 179.0E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	16.7	16.7	.0	.0	.0	33.3	
3-4	.0	.0	33.3	.0	.0	.0	33.3	
5-6	.0	.0	16.7	.0	.0	.0	16.7	
7	.0	.0	16.7	.0	.0	.0	16.7	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	16.7	83.3	.0	.0	.0	100.0	

PERIOD: (OVER-ALL) 1950-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	37.5	12.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	4
6-7	.0	.0	.0	12.5	.0	12.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
8-9	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
TOTAL	0	0	3	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	8	5
PCT	.0	.0	37.5	25.0	25.0	12.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MAY

PERIOD: (PRIMARY) 1944-1976
(OVER-ALL) 1896-1976

AREA 0007 FUNAFUTI ATOLL
8.5S 179.2E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	10.3	.0	.0	.0	.0	.0	10.3	10.3	.0	.0	.0	.0	.0	.0	78.9
S	.0	50.0	.0	.0	.0	.0	.0	50.0	50.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	7.7	.0	.0	.0	.0	.0	7.7	7.7	.0	.0	.0	.0	.0	.0	84.6
TOT OBS:	26															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	.0	6.3	.0	.0	.0	.0	.0	6.3	12.5	.0	.0	.0	.0	.0	.0	81.3
06609	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12615	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18621	.0	50.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0	.0	.0	50.0
TOT PCT	.0	7.7	.0	.0	.0	.0	.0	7.7	7.7	.0	.0	.0	.0	.0	.0	84.6
TOT OBS:	26															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.6	.0	.0	.0	.0	.0		2.6	2.0	4.4	.0	.0	.0	.0	.0	.0	.0
NE	.0	5.2	3.4	.0	.0	.0		8.6	10.4	5.9	.0	25.0	.0	.0	.0	.0	.0
E	3.4	10.3	13.8	.0	.0	.0		27.6	9.0	20.6	.0	50.0	50.0	.0	.0	.0	100.0
SE	.0	22.4	13.8	.0	.0	.0		36.2	9.3	38.2	.0	25.0	50.0	50.0	.0	100.0	.0
S	.0	6.9	.0	.0	.0	.0		6.9	7.0	5.9	100.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.9	13.8	.0	.0	.0	.0		14.7	6.0	23.5	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.4							3.4	.0	.0	.0	.0	.0	50.0	.0	.0	.0
TOT OBS	3	17	9	0	0	0	29		8.2	17	1	6	1	2	0	1	1
TOT PCT	10.3	58.6	31.0	.0	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.6	.0	.0	.0	.0		2.6	2.0	4.2	.0	.0	.0
NE	.0	8.6	.0	.0	.0		8.6	10.4	8.6	21.4	.0	.0
E	12.1	15.5	.0	.0	.0		27.6	9.0	19.4	50.0	.0	50.0
SE	15.5	13.8	6.9	.0	.0		36.2	9.3	36.1	28.6	50.0	50.0
S	.0	6.9	.0	.0	.0		6.9	7.0	11.1	.0	.0	.0
SW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NW	11.2	3.4	.0	.0	.0		14.7	6.0	23.6	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.4						3.4	.0	.0	.0	50.0	.0
TOT OBS	13	14	2	0	0	29		8.2	18	7	2	2
TOT PCT	44.8	48.3	6.9	.0	.0		100.0		100.0	100.0	100.0	100.0

MAY

PERIOD: (PRIMARY) 1944-1976
(OVER-ALL) 1890-1976

AREA 0007 FUNAFUTI ATOLL
8.5S 179.2E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS) 11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	11.1	55.6	33.3	.0	.0	.0	8.4	100.0	18
06&09	.0	.0	57.1	42.9	.0	.0	.0	9.4	100.0	7
12&15	50.0	.0	50.0	.0	.0	.0	.0	4.5	100.0	2
18&21	.0	.0	100.0	.0	.0	.0	.0	5.5	100.0	2
TOT	1	2	17	9	0	0	0	6.2		29
PCT	3.4	6.9	58.6	31.0	.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	6.3	.0	3.1	.0		3.0
E	18.8	12.5	3.1	.0		2.6
SE	6.3	12.5	12.5	.0		6.4
S	.0	.0	12.5	.0		7.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	6.3	.0		7.0
VAR	.0	.0	.0	.0		.0
CALM	6.3	.0	.0	.0		2.0
TOT OBS	6	4	6	0	16	4.0
TOT PCT	37.5	25.0	37.5	.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

DOD 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	3.1	.0	.0	.0	.0	6.3	
.0	.0	.0	.0	.0	3.1	.0	.0	.0	.0	31.3	
.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	18.8	
.0	.0	.0	.0	6.3	.0	.0	.0	.0	.0	6.3	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	6.3	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	
0	0	0	0	4	1	0	0	0	0	11	16
.0	.0	.0	.0	25.0	6.3	.0	.0	.0	.0	68.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
* OR >1000	25.0	25.0	25.0	31.3	31.3	31.3	31.3	31.3
* OR >600	25.0	25.0	25.0	31.3	31.3	31.3	31.3	31.3
* OR >300	25.0	25.0	25.0	31.3	31.3	31.3	31.3	31.3
* OR >150	25.0	25.0	25.0	31.3	31.3	31.3	31.3	31.3
* OR > 0	25.0	25.0	25.0	31.3	31.3	31.3	31.3	31.3
TOTAL	4	4	4	5	5	5	5	5

TOTAL NUMBER OF OBS: 16 PCT FREQ NH <5/8: 68.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.0	12.5	37.5	12.5	6.3	.0	25.0	6.3	.0	.0	16

MAY

PERIOD: (PRIMARY) 1944-1976
(OVER-ALL) 1890-1976

AREA 0007 FUNAFUTI ATOLL
8.5S 179.2E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	3.8	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	3.8	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	7.7	.0	.0	.0	.0	.0	.0	7.7	
	TOT %	.0	.0	.0	7.7	.0	.0	.0	.0	.0	.0	7.7	
10+	PCP	.0	.0	.0	.0	3.8	.0	.0	.0	.0	.0	3.8	
	NO PCP	2.9	9.6	26.9	25.0	3.8	.0	.0	12.5	.0	3.8	84.6	
	TOT %	2.9	9.6	26.9	25.0	7.7	.0	.0	12.5	.0	3.8	88.5	
	TOT OBS												26
	TOT PCT	2.9	9.6	26.9	36.5	7.7	.0	.0	12.5	.0	3.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	3.7	.0	.0	.0	.0	.0		3.7	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	3.7	.0	.0	.0	.0	.0	.0	3.7	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	7.4	.0	.0	.0	.0	.0		7.4	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	7.4	.0	.0	.0	.0	.0	.0	7.4	
10+	0-3	2.8	.0	3.7	.0	.0	.0	.0	.9	.0	3.7	11.1	
	4-10	.0	3.6	11.1	13.0	7.4	.0	.0	11.1	.0		48.1	
	11-21	.0	3.7	14.8	11.1	.0	.0	.0	.0	.0		29.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	2.8	9.3	29.6	24.1	7.4	.0	.0	12.0	.0	3.7	88.9	
	TOT OBS												27
	TOT PCT	2.8	9.3	29.6	33.2	7.4	.0	.0	12.0	.0	3.7	100.0	

PERIOD: (PRIMARY) 1944-1978
(OVER-ALL) 1896-1978

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	37.5	.0	.0	.0	.0	.0	37.5	62.5	8
06&09	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	20.0	80.0	5
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	1
18&21	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0	50.0	50.0	2
TOT	0	0	0	0	4	1	0	0	0	0	5	11	16
PCT	.0	.0	.0	.0	25.0	6.3	.0	.0	.0	.0	31.3	68.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	12.5	87.5	16
06&09	.0	.0	.0	.0	.0	100.0	7
12&15	.0	.0	.0	.0	.0	100.0	2
18&21	.0	.0	50.0	.0	.0	50.0	2
TOT	0	0	1	0	2	24	27
PCT	.0	.0	3.7	.0	7.4	88.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	37.5	62.5	8
06&09	.0	.0	.0	20.0	80.0	5
12&15	.0	.0	.0	.0	100.0	1
18&21	.0	.0	50.0	.0	50.0	2
TOT	0	0	1	4	11	16
PCT	.0	.0	6.3	25.0	68.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.0	.0	9.5	.0	2	9.5
85/89	.0	.0	.0	.0	9.5	4.8	4.8	.0	4	19.0
80/84	.0	.0	.0	.0	.0	19.0	42.9	4.8	14	66.7
75/79	.0	.0	.0	.0	.0	.0	.0	4.8	1	4.8
TOTAL	0	0	0	0	2	5	12	2	21	100.0
PCT	.0	.0	.0	.0	9.5	23.8	57.1	9.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	4.8	.0	.0	.0	.0	4.8	.0	.0
3.6	.0	7.1	7.1	.0	.0	.0	1.2	.0	.0
.0	9.5	14.3	33.3	4.8	.0	.0	4.8	.0	.0
.0	.0	.0	.0	4.8	.0	.0	.0	.0	.0
3.6	9.5	26.2	40.5	9.5	.0	.0	10.7	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	91	90	90	84	79	79	79	84.9	18
06&09	89	88	88	82	81	81	81	83.3	7
12&15	84	83	83	80	80	80	80	82.0	2
18&21	82	81	81	81	81	81	81	81.5	2
TOT	91	90	90	83	80	79	79	84.1	29

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	13.3	26.7	46.7	13.3	80	15
06&09	.0	.0	.0	33.3	66.7	.0	81	3
12&15	.0	.0	.0	.0	100.0	.0	83	1
18&21	.0	.0	.0	.0	100.0	.0	81	2
TOT	0	0	2	5	12	2	80	21

PERIOD: (PRIMARY) 1944-1970
(OVER-ALL) 1896-1976

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
5	.0	4.5	.0	.0	1	.0	4.5
3	.0	.0	.0	9.1	2	.0	9.1
1	.0	4.5	.0	.0	1	.0	4.5
0	.0	13.6	9.1	.0	5	.0	22.7
-1	.0	4.5	4.5	.0	2	.0	9.1
-2	.0	13.6	.0	.0	3	.0	13.6
-3	.0	22.7	.0	.0	5	.0	22.7
-4	.0	4.5	.0	.0	1	.0	4.5
-5	4.5	.0	.0	.0	1	.0	4.5
-7/-8	4.5	.0	.0	.0	1	.0	4.5
TOTAL	2		3		22	0	22
PCT	9.1	68.2	13.6	9.1	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	8.3	25.0	.0	.0	.0	33.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	8.3	.0	.0	.0	.0	8.3
1-2	.0	.0	8.3	.0	.0	.0	8.3
3-4	.0	.0	16.7	.0	.0	.0	16.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	8.3	25.0	.0	.0	.0	33.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	8.3	.0	.0	.0	.0	8.3
1-2	.0	8.3	8.3	.0	.0	.0	16.7
3-4	.0	.0	8.3	.0	.0	.0	8.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	16.7	16.7	.0	.0	.0	33.3

PERIOD: (OVER-ALL) 1960-1976

MAY

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	16.7	.0	.0	.0	.0	16.7
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	16.7	.0	.0	.0	.0	16.7

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	8.3	.0	.0	.0	.0	8.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	8.3	.0	.0	.0	.0	8.3

TOTAL

HGT	PCT
<1	.0
1-2	.0
3-4	8.3
5-6	.0
7	.0
8-9	.0
10-11	.0
12	.0
13-16	.0
17-19	.0
20-22	.0
23-25	.0
26-32	.0
33-40	.0
41-48	.0
49-60	.0
61-70	.0
71-86	.0
87+	.0
TOT PCT	91.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	8.3	33.3	.0	.0	.0	.0	41.7	
1-2	.0	8.3	16.7	.0	.0	.0	25.0	
3-4	.0	8.3	25.0	.0	.0	.0	33.3	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								12
TOT PCT	8.3	50.0	41.7	.0	.0	.0	100.0	

PERIOD: (OVER-ALL) 1960-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	20.7	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	3
6-7	.0	.0	6.7	20.0	13.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	5
8-9	.0	.0	.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	20.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	0
TOTAL	3	0	5	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	4
PCT	20.0	.0	33.3	26.7	20.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1949-1977
(OVER-ALL) 1884-1977

AREA 0007 FUNAFUTI ATOLL
8.5S 179.0E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
E	.0	4.0	.0	.0	.0	.0	.0	4.0	.0	.0	.0	.0	.0		.0	96.0
SE	.0	29.6	.0	.0	.0	.0	.0	29.6	14.8	.0	.0	.0	.0		.0	55.6
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
NW	.0	100.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0		.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
TOT PCT	.0	10.3	.0	.0	.0	.0	.0	10.3	2.6	.0	.0	.0	.0		.0	87.2
TOT OBS:	39															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	8.7	.0	.0	.0	.0	.0	8.7	.0	.0	.0	.0	.0		.0	91.3
06&09	.0	33.3	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0		.0	66.7
12&15	.0	.0	.0	.0	.0	.0	.0	.0	12.5	.0	.0	.0	.0		.0	87.5
18&21	.0	16.7	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0		.0	83.3
TOT PCT	.0	10.0	.0	.0	.0	.0	.0	10.0	2.5	.0	.0	.0	.0		.0	87.5
TOT OBS:	40															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.0	1.8	.0	.0	.0		1.8	12.0	.0	.0	.0	75.0	.0	.0	.0	.0
NE	.0	8.3	2.4	.0	.0	.0		10.7	9.1	17.4	.0	.0	25.0	3.6	.0	.0	.0
E	2.4	23.2	58.1	.0	.0	.0		83.7	11.8	66.3	100.0	50.0	.0	57.1	62.5	56.3	100.0
SE	.0	8.9	10.1	.0	.0	.0		19.0	10.8	12.0	.0	.0	.0	39.3	37.5	43.8	.0
S	.0	2.4	.0	.0	.0	.0		2.4	7.0	4.3	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	2.4	.0	.0	.0	.0		2.4	6.0	.0	.0	50.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	1	19	22	0	0	0	42		11.1	23	1	2	1	7	2	4	2
TOT PCT	2.4	45.2	52.4	.0	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	1.8	.0	.0	.0		1.8	12.0	.0	25.0	.0	.0
NE	3.6	6.0	1.2	.0	.0		10.7	9.1	16.7	8.3	2.8	.0
E	11.9	40.5	11.3	.0	.0		63.7	11.8	67.7	33.3	58.3	70.8
SE	3.6	13.7	1.8	.0	.0		19.0	10.8	11.5	.0	38.9	29.2
S	.0	2.4	.0	.0	.0		2.4	7.0	4.2	.0	.0	.0
SW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NW	2.4	.0	.0	.0	.0		2.4	6.0	.0	33.3	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0						.0	.0	.0	.0	.0	.0
TOT OBS	9	27	6	0	0	42		11.1	24	3	9	6
TOT PCT	21.4	64.3	14.3	.0	.0		100.0		100.0	100.0	100.0	100.0

JUNE

PERIOD: (PRIMARY) 1945-1977
(OVER-ALL) 1886-1977

AREA 0007 FUNAFUTI ATOLL
8.5S 179.0E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	4.2	50.0	45.8	.0	.0	.0	10.7	100.0	24
06&09	.0	.0	33.3	66.7	.0	.0	.0	10.6	100.0	3
12&15	.0	.0	55.6	44.4	.0	.0	.0	10.2	100.0	9
18&21	.0	.0	16.7	83.3	.0	.0	.0	14.1	100.0	6
TOT	0	1	19	22	0	0	0	11.1		42
PCT	.0	2.4	45.2	52.4	.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	4.2		8.0
NE	12.5	.0	.0	1.4		2.1
E	36.1	20.8	.0	.0		2.2
SE	1.4	1.4	16.7	.0		5.1
S	.0	.0	.0	.0		.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	5.6	.0		7.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	9	4	4	1	18	3.2
TOT PCT	50.0	22.2	22.2	5.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	12.5	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	56.9	
SE	.0	.0	.0	5.6	.0	.0	.0	.0	.0	.0	13.9	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	0	1	1	0	0	0	0	0	16	18
TOT PCT	.0	.0	.0	5.6	5.6	.0	.0	.0	.0	.0	88.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >900YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >1000	.0	5.3	5.3	5.3	5.3	5.3	5.3	5.3
* OR >600	5.3	10.5	10.5	10.5	10.5	10.5	10.5	10.5
* OR >300	5.3	10.5	10.5	10.5	10.5	10.5	10.5	10.5
* OR >150	5.3	10.5	10.5	10.5	10.5	10.5	10.5	10.5
* OR > 0	5.3	10.5	10.5	10.5	10.5	10.5	10.5	10.5
TOTAL	1	2	2	2	2	2	2	2

TOTAL NUMBER OF OBS: 19

PCT FREQ NH <5/8: 89.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.0	14.3	57.1	14.3	4.8	4.8	4.8	.0	.0	21

JUNE

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1884-1977

TABLE 8

AREA 0007 FUNAFUTI ATOLL
8.5S 179.0E

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	2.6	.0	.0	2.6	
	NO PCP	1.9	3.2	15.4	2.6	.0	.0	.0	.0	.0	.0	23.1	
	TOT %	1.9	3.2	15.4	2.6	.0	.0	.0	2.6	.0	.0	25.6	
10+	PCP	.0	.0	2.6	5.1	.0	.0	.0	.0	.0	.0	7.7	
	NO PCP	.0	8.3	46.2	9.6	2.6	.0	.0	.0	.0	.0	66.7	
	TOT %	.0	8.3	48.7	14.7	2.6	.0	.0	.0	.0	.0	74.4	
	TOT OBS												39
	TOT PCT	1.9	11.5	64.1	17.3	2.6	.0	.0	2.6	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	2.6	
	4-10	.0	2.6	3.8	1.3	.0	.0	.0	2.6	.0		10.3	
	11-21	1.9	.6	9.0	1.3	.0	.0	.0	.0	.0		12.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.9	3.2	15.4	2.6	.0	.0	.0	2.6	.0	.0	25.6	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	6.4	21.2	8.3	2.6	.0	.0	.0	.0		38.5	
	11-21	.0	1.9	27.6	6.4	.0	.0	.0	.0	.0		35.9	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	8.3	48.7	14.7	2.6	.0	.0	.0	.0	.0	74.4	
	TOT OBS												39
	TOT PCT	1.9	11.5	64.1	17.3	2.6	.0	.0	2.6	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1945-1977
(OVER-ALL) 1884-1977

AREA 0007 FUNAFUTI ATOLL
8.5S 179.0E

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	9
06&09	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	33.3	66.7	3
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	5
18&21	.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0	25.0	75.0	4
TOT	0	0	0	1	1	0	0	0	0	0	2	19	21
PCT	.0	.0	.0	4.8	4.8	.0	.0	.0	.0	.0	9.5	90.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	8.7	91.3	23
06&09	.0	.0	.0	.0	66.7	33.3	3
12&15	.0	.0	.0	.0	37.5	62.5	8
18&21	.0	.0	.0	.0	50.0	50.0	6
TOT	0	0	0	0	10	30	40
PCT	.0	.0	.0	.0	25.0	75.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	.0	100.0	9
06&09	.0	.0	.0	33.3	66.7	3
12&15	.0	.0	.0	.0	100.0	4
18&21	.0	.0	33.3	.0	66.7	3
TOT	0	0	1	1	17	19
PCT	.0	.0	5.3	5.3	89.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	2.8	.0	.0	.0	1	2.8
85/89	.0	.0	.0	.0	.0	13.9	8.3	2.8	9	25.0
80/84	.0	.0	.0	.0	5.6	19.4	41.7	2.8	25	69.4
75/79	.0	.0	.0	.0	.0	.0	2.8	.0	1	2.8
TOTAL	0	0	0	0	3	12	19	2	36	100.0
PCT	.0	.0	.0	.0	8.3	33.3	52.8	5.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.7	2.1	.0	.0	.0	.0	.0	.0	.0
.0	2.1	10.8	1.4	2.8	.0	.0	.0	.0	.0
2.1	6.9	41.7	16.0	.0	.0	.0	2.8	.0	.0
.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0
2.1	12.5	62.5	17.4	2.8	.0	.0	2.8	.0	.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	91	90	89	84	82	79	79	84.6	24
06&09	84	83	83	83	83	83	83	83.3	3
12&15	84	83	83	83	80	80	80	82.4	9
18&21	83	82	82	82	80	80	80	81.7	6
TOT	91	90	87	84	80	79	79	83.6	42

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	14.3	47.6	33.3	4.8	77	21
06&09	.0	.0	.0	33.3	66.7	.0	80	3
12&15	.0	.0	14.3	14.3	71.4	.0	80	7
18&21	.0	.0	.0	.0	83.3	16.7	85	6
TOT	0	0	4	12	19	2	79	37

JUNE

PERIOD: (PRIMARY) 1945-1977
(OVER-ALL) 1884-1977

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8.5S 179.0E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 and Below	81 to 84	85 to 88	89 and Above	TOT	W FOG	WO FOG
11/13	.0	.0	.0	3.2	1	.0	3.2
6	.0	.0	.0	3.2	1	.0	3.2
5	.0	.0	.0	3.2	1	.0	3.2
2	.0	9.7	6.5	.0	3	.0	16.1
1	.0	3.2	6.5	.0	3	.0	9.7
0	.0	6.5	6.5	.0	4	.0	12.9
-1	.0	6.5	3.2	.0	3	.0	9.7
-2	.0	19.4	.0	.0	6	.0	19.4
-3	.0	6.5	.0	.0	2	.0	6.5
-4	3.2	9.7	.0	.0	4	.0	12.9
-6	3.2	.0	.0	.0	1	.0	3.2
TOTAL	2	19	7	3	31	0	31
PCT	6.5	61.3	22.6	9.6	100.0		100.0

PERIOD: (OVER-ALL) 1962-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	4.2	.0	.0	.0	4.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	4.2	.0	.0	.0	4.2

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.4	.0	.0	.0	.0	1.4
3-4	.0	3.6	1.4	.0	.0	.0	6.9
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.9	1.4	.0	.0	.0	8.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	5.6	.0	.0	.0	.0	5.6
1-2	.0	9.7	30.6	.0	.0	.0	40.3
3-4	.0	5.6	5.6	.0	.0	.0	11.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	20.8	36.1	.0	.0	.0	56.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	11.1	8.3	.0	.0	.0	19.4
3-4	.0	.0	5.6	.0	.0	.0	5.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	11.1	13.9	.0	.0	.0	25.0

PERIOD: (OVER-ALL) 1962-1977

JUNE

TABLE 18 (CONT)

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PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	5.6	.0	.0	.0	.0	5.6	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	5.6	.0	.0	.0	.0	5.6	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	5.6	.0	.0	.0	.0	5.6	
1-2	.0	27.8	38.9	.0	.0	.0	66.7	
3-4	.0	11.1	16.7	.0	.0	.0	27.8	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	44.4	55.6	.0	.0	.0	100.0	18

PERIOD: (OVER-ALL) 1962-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) Vs WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-1[illegible]-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	4.8	9.5	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	4
6-7	.0	.0	23.8	19.0	4.8	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	5
8-9	.0	.0	9.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	3
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	9.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	4.8	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	3
TOTAL	0	2	12	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	21	4
PCT	.0	9.5	57.1	19.0	9.5	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1896-1975
(OVER-ALL) 1896-1975

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	13.8	6.9	.0	.0	.0	.0	.0	20.7	.0	.0	.0	.0	.0	.0	.0	79.3
E	4.5	6.0	.0	.0	.0	.0	.0	10.4	3.0	1.5	.0	.0	.0	.0	.0	86.6
SE	1.3	0.7	.0	.0	.0	.0	.0	8.1	.0	4.0	.0	.0	.0	.0	.0	89.3
S	.0	22.2	.0	.0	.0	.0	.0	22.2	.0	.0	.0	.0	.0	.0	.0	77.8
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.6	7.1	.0	.0	.0	.0	.0	10.7	1.2	2.4	.0	.0	.0	.0	.0	86.9
TOT OBS:	84															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00&03	2.3	6.8	.0	.0	.0	.0	.0	9.1	2.3	.0	.0	.0	.0	.0	.0	88.6
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12&15	5.9	8.8	.0	.0	.0	.0	.0	14.7	.0	5.9	.0	.0	.0	.0	.0	82.4
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	3.4	6.9	.0	.0	.0	.0	.0	10.3	1.1	2.3	.0	.0	.0	.0	.0	87.4
TOT OBS:	87															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.9	.0	.0	.0	.0		.9	9.0	.0	.0	.0	.0	2.8	.0	.0	.0
NE	.7	6.2	.0	.0	.0	.0		6.9	6.0	2.5	.0	20.0	.0	13.9	.0	.0	.0
E	1.1	22.3	15.7	.9	.0	.0		40.0	10.3	44.6	.0	40.0	.0	30.6	.0	50.0	.0
SE	4.4	13.9	22.3	5.3	.0	.0		46.0	12.6	47.1	.0	20.0	.0	47.2	.0	50.0	.0
S	2.9	2.7	.0	.0	.0	.0		5.5	3.4	4.6	.0	20.0	.0	5.6	.0	.0	.0
SW	.7	.0	.0	.0	.0	.0		.7	2.0	1.1	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	11	52	43	7	0	0	113		10.6	70	0	5	0	36	0	2	0
TOT PCT	9.7	46.0	38.1	6.2	.0	.0		100.0		100.0	.0	100.0	.0	100.0	.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)				
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.9	.0	.0	.0		.9	9.0	.0	.0	.0	2.8	.0			
NE	4.9	2.0	.0	.0	.0		6.9	6.0	2.5	20.0	13.9	.0				
E	10.2	25.7	4.2	.0	.0		40.0	10.3	44.6	40.0	30.6	50.0				
SE	9.7	23.7	10.8	1.8	.0		46.0	12.6	47.1	20.0	47.2	50.0				
S	5.5	.0	.0	.0	.0		5.5	3.4	4.6	20.0	5.6	.0				
SW	.7	.0	.0	.0	.0		.7	2.0	1.1	.0	.0	.0				
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0				
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0				
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0				
CALM	.0						.0	.0	.0	.0	.0	.0				
TOT OBS	35	59	17	2	0	113		10.6	70	5	36	2				
TOT PCT	31.0	52.2	15.0	1.8	.0		100.0		100.0	100.0	100.0	100.0				

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	15.7	41.4	40.0	2.9	.0	.0	10.0	100.0	70
06&09	.0	.0	80.0	20.0	.0	.0	.0	9.0	100.0	5
12&15	.0	.0	52.8	33.3	13.9	.0	.0	11.9	100.0	36
18&21	.0	.0	.0	100.0	.0	.0	.0	13.5	100.0	2
TOT	0	11	52	43	7	0	0	10.6		113
PCT	.0	9.7	46.0	38.1	6.2	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	5.3	.0	.0		4.0
NE	5.3	.0	5.3	5.3		3.0
E	14.5	.0	13.2	15.8		5.5
SE	1.3	10.5	2.6	15.8		5.8
S	.0	.0	5.3	.0		5.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	4	3	5	7	19	5.4
TOT PCT	21.1	15.8	26.3	36.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	
NE	.0	.0	.0	5.3	.0	.0	.0	.0	.0	.0	10.5	
E	.0	.0	.0	10.5	5.3	3.9	.0	.0	.0	.0	23.7	
SE	.0	.0	5.3	5.3	5.3	1.3	.0	.0	.0	.0	18.2	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	1	4	2	1	0	0	0	0	11	19
TOT PCT	.0	.0	5.3	21.1	10.5	5.3	.0	.0	.0	.0	57.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
* OR >2000	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
* OR >1000	13.6	18.2	18.2	18.2	18.2	18.2	18.2	18.2
* OR >600	27.3	40.9	40.9	40.9	40.9	40.9	40.9	40.9
* OR >300	31.8	45.5	45.5	45.5	45.5	45.5	45.5	45.5
* OR >150	31.8	45.5	45.5	45.5	45.5	45.5	45.5	45.5
* OR > 0	31.8	45.5	45.5	45.5	45.5	45.5	45.5	45.5
TOTAL	7	10	10	10	10	10	10	10

TOTAL NUMBER OF OBS: 22 PCT FREQ NH <5/8: 54.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.0	7.7	34.6	11.5	3.8	3.8	7.7	11.5	19.2	.0	26

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	1.8	4.2	3.6	1.2	.0	.0	.0	.0	.0	10.7	
	NO PCP	.0	4.2	17.9	28.0	3.0	.6	.0	.0	.0	.0	53.6	
	TOT %	.0	6.0	22.0	31.5	4.2	.6	.0	.0	.0	.0	64.3	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	1.2	2.7	17.9	12.8	1.2	.0	.0	.0	.0	.0	35.7	
	TOT %	1.2	2.7	17.9	12.8	1.2	.0	.0	.0	.0	.0	35.7	
	TOT OBS												84
	TOT PCT	1.2	8.6	39.9	44.3	5.4	.6	.0	.0	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.6	.6	1.2	1.8	.6	.0	.0	.0	.0	4.8	
	4-10	.0	5.4	11.9	8.9	2.4	.0	.0	.0	.0		28.6	
	11-21	.0	.0	8.3	15.5	.0	.0	.0	.0	.0		23.8	
	22+	.0	.0	1.2	6.0	.0	.0	.0	.0	.0		7.1	
	TOT %	.0	6.0	22.0	31.5	4.2	.6	.0	.0	.0	.0	64.3	
10+	0-3	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	2.4	
	4-10	1.2	2.7	11.9	5.7	1.2	.0	.0	.0	.0		22.6	
	11-21	.0	.0	6.0	4.8	.0	.0	.0	.0	.0		10.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.2	2.7	17.9	12.8	1.2	.0	.0	.0	.0	.0	35.7	
	TOT OBS												84
	TOT PCT	1.2	8.6	39.9	44.3	5.4	.6	.0	.0	.0	.0	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	14.3	28.6	.0	.0	14.3	.0	.0	.0	57.1	42.9	7
06&09	.0	.0	.0	20.0	20.0	.0	.0	.0	.0	.0	40.0	60.0	5
12&15	.0	.0	.0	11.1	11.1	11.1	.0	.0	.0	.0	33.3	66.7	9
18&21	.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0	25.0	75.0	4
TOT	0	0	1	5	2	1	1	0	0	0	10	15	25
PCT	.0	.0	4.0	20.0	8.0	4.0	4.0	.0	.0	.0	40.0	60.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	61.4	38.6	44
06&09	.0	.0	.0	.0	20.0	80.0	5
12&15	.0	.0	.0	.0	76.5	23.5	34
18&21	.0	.0	.0	.0	.0	100.0	4
TOT	0	0	0	0	54	33	87
PCT	.0	.0	.0	.0	62.1	37.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	20.0	60.0	20.0	20.0	5
06&09	.0	.0	20.0	20.0	60.0	5
12&15	.0	.0	12.5	25.0	62.5	8
18&21	.0	.0	25.0	.0	75.0	4
TOT	0	1	6	4	12	22
PCT	.0	4.5	27.3	18.2	54.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.0	14.3	14.3	.0	10	28.6
80/84	.0	.0	.0	.0	.0	25.7	37.1	5.7	24	68.6
75/79	.0	.0	.0	.0	.0	.0	.0	2.9	1	2.9
TOTAL	0	0	0	0	0	14	18	3	35	100.0
PCT	.0	.0	.0	.0	.0	40.0	51.4	8.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.7	13.6	14.3	.0	.0	.0	.0	.0	.0
2.9	5.7	36.4	20.7	2.9	.0	.0	.0	.0	.0
.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0
2.9	9.3	50.0	35.0	2.9	.0	.0	.0	.0	.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	86	85	85	84	79	78	78	83.1	71
06&09	84	83	83	80	79	79	79	80.8	5
12&15	85	84	84	82	79	79	79	82.1	34
18&21	82	81	81	81	80	80	80	81.3	4
TOT	86	85	85	83	79	78	78	82.6	114

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	.0	35.0	55.0	10.0	81	20
06&09	.0	.0	.0	25.0	75.0	.0	82	4
12&15	.0	.0	.0	50.0	40.0	10.0	80	10
18&21	.0	.0	.0	50.0	50.0	.0	80	4
TOT	0	0	0	15	20	3	81	38

JULY

PERIOD: (PRIMARY) 1896-1975
(OVER-ALL) 1896-1975

TABLE 17

AREA 0007 FUNAFUTI ATOLL
8.6S 179.2E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 WO	81 84	85 88	TOT	W FOG	WO FOG
7/8	.0	.0	1.3	1	.0	1.3
2	.0	.0	2.6	2	.0	2.6
1	.0	14.3	3.9	14	.0	18.2
0	.0	32.5	1.3	26	.0	33.8
-1	1.3	13.0	.0	11	.0	14.3
-2	3.9	9.1	.0	10	.0	13.0
-3	6.5	1.3	.0	6	.0	7.8
-4	1.3	1.3	.0	2	.0	2.6
-5	3.9	.0	.0	3	.0	3.9
-7/-8	1.3	1.3	.0	2	.0	2.6
TOTAL	14	56	7	77	0	77
PCT	18.2	72.7	9.1	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	7.1	.0	.0	.0	.0	7.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.1	.0	.0	.0	.0	7.1

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	7.1	.0	.0	.0	.0	7.1
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	7.1	.0	.0	.0	.0	7.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	14.3	.0	.0	.0	.0	14.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	7.1	.0	.0	.0	.0	7.1
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	12.5	12.5	.0	.0	.0	25.0
5-6	.0	.0	5.4	.0	.0	.0	5.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	19.6	17.9	.0	.0	.0	37.5

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	7.1	8.9	1.8	.0	.0	.0	17.9
5-6	.0	.0	16.1	.0	.0	.0	16.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	7.1	8.9	17.9	.0	.0	.0	33.9

PERIOD: (OVER-ALL) 1963-1975 JULY AREA 0007 FUNAFUTI ATOLL

TABLE 18 (CONT) 8.6S 179.2E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	7.1	.0	.0	.0	.0	7.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.1	.0	.0	.0	.0	7.1

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	6.7	13.3	.0	.0	.0	.0	20.0	
1-2	.0	13.3	.0	.0	.0	.0	13.3	
3-4	6.7	26.7	13.3	.0	.0	.0	46.7	
5-6	.0	.0	20.0	.0	.0	.0	20.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	13.3	53.3	33.3	.0	.0	.0	100.0	15

PERIOD: (OVER-ALL) 1949-1975 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	14.3	9.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	4
6-7	.0	.0	.0	28.6	.0	9.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	6
8-9	.0	.0	.0	4.8	9.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	6
10-11	.0	4.8	.0	4.8	4.8	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	6
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
TOTAL	0	1	3	10	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	21	5
PCT	.0	4.8	14.3	47.6	14.3	19.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1909-1977
(OVER-ALL) 1877-1977

AREA 0007 FUNAFUTI ATOLL
8.5S 179.1E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NE	18.2	36.4	.0	.0	.0	.0	.0	54.5	18.2	.0	.0	.0	.0		.0	27.3
E	7.0	8.8	.0	.0	.0	.0	.0	15.8	.0	3.5	.0	.0	.0		.0	84.2
SE	7.5	7.5	.0	.0	.0	.0	.0	15.0	5.0	.0	.0	.0	.0		.0	80.0
S	40.0	.0	.0	.0	.0	.0	.0	40.0	.0	.0	.0	.0	.0		.0	60.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
TOT PCT	8.5	10.2	.0	.0	.0	.0	.0	18.6	3.4	1.7	.0	.0	.0		.0	78.0
TOT OBS:	59															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	8.3	11.1	.0	.0	.0	.0	.0	19.4	2.8	.0	.0	.0	.0		.0	77.8
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
12&15	25.0	25.0	.0	.0	.0	.0	.0	50.0	.0	12.5	.0	.0	.0		.0	50.0
18&21	.0	.0	.0	.0	.0	.0	.0	.0	12.5	.0	.0	.0	.0		.0	87.5
TOT PCT	8.5	10.2	.0	.0	.0	.0	.0	18.6	3.4	1.7	.0	.0	.0		.0	78.0
TOT OBS:	59															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	2.5	1.4	.0	.0	.0		3.9	9.3	3.8	.0	12.5	.0	.0	.0	.0	.0
NE	.4	3.2	4.6	.0	.0	.0		9.2	12.4	11.4	.0	.0	.0	11.1	.0	3.6	.0
E	1.1	23.2	20.8	.0	.0	.0		45.1	11.0	46.7	.0	50.3	.0	25.0	.0	53.6	.0
SE	3.2	14.4	20.1	.0	.0	.0		37.7	11.3	31.5	.0	31.3	.0	63.9	.0	42.9	100.0
S	1.1	1.8	.0	.0	.0	.0		2.8	6.7	4.3	.0	.0	.0	.0	.0	.0	.0
SW	1.4	.0	.0	.0	.0	.0		1.4	2.0	2.2	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	5	22	34	0	0	0	71		11.0	46	0	8	0	9	0	7	1
TOT PCT	7.0	49.1	47.9	.0	.0	.0		100.0		100.0	.0	100.0	.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.4	2.5	.0	.0	.0		3.9	9.3	3.8	12.5	.0	.0
NE	.4	7.4	1.4	.0	.0		9.2	12.4	11.4	.0	11.1	3.1
E	6.3	32.4	6.3	.0	.0		45.1	11.0	46.7	50.3	25.0	46.9
SE	9.2	18.0	10.6	.0	.0		37.7	11.3	31.5	31.3	63.9	50.0
S	1.1	1.8	.0	.0	.0		2.8	6.7	4.3	.0	.0	.0
SW	1.4	.0	.0	.0	.0		1.4	2.0	2.2	.0	.0	.0
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0						.0	.0	.0	.0	.0	.0
TOT OBS	14	44	13	0	0	71		11.0	46	8	9	8
TOT PCT	19.7	62.0	18.3	.0	.0		100.0		100.0	100.0	100.0	100.0

AUGUST

PERIOD: (PRIMARY) 1909-1977
(OVER-ALL) 1877-1977

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	8.7	43.5	47.8	.0	.0	.0	11.3	100.0	46
06&09	.0	.0	25.0	75.0	.0	.0	.0	11.2	100.0	8
12&15	.0	.0	66.7	33.3	.0	.0	.0	10.7	100.0	9
18&21	.0	12.5	50.0	37.5	.0	.0	.0	9.5	100.0	8
TOT	0	[illegible]	32	34	0	0	0	11.0		71
PCT	.0	7.0	45.1	47.9	.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	9.2	5.3	.0		4.4
NE	.0	7.9	5.3	.0		4.2
E	21.1	15.8	5.3	.0		2.7
SE	5.3	9.2	15.8	.0		4.2
S	.0	.0	.0	.0		.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	5	8	6	0	19	3.6
TOT PCT	26.3	42.1	31.6	.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	9.2	.0	.0	.0	.0	9.2	
NE	.0	.0	.0	5.3	.0	.0	.0	.0	.0	.0	7.9	
E	.0	.0	.0	.0	5.3	.0	.0	.0	.0	.0	36.8	
SE	.0	.0	.0	.0	5.3	5.3	.0	.0	.0	.0	19.7	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	0	1	2	2	0	0	0	0	14	19
TOT PCT	.0	.0	.0	5.3	10.5	10.5	.0	.0	.0	.0	73.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	5.3	10.5	10.5	10.5	10.5	10.5	10.5	10.5
* OR >1000	10.5	15.8	21.1	21.1	21.1	21.1	21.1	21.1
* OR >600	10.5	21.1	26.3	26.3	26.3	26.3	26.3	26.3
* OR >300	10.5	21.1	26.3	26.3	26.3	26.3	26.3	26.3
* OR >150	10.5	21.1	26.3	26.3	26.3	26.3	26.3	26.3
* OR > 0	10.5	21.1	26.3	26.3	26.3	26.3	26.3	26.3
TOTAL	2	4	5	5	5	5	5	5

TOTAL NUMBER OF OBS: 19 PCT FREQ NH <5/8: 73.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
.0	22.2	29.6	11.1	11.1	14.8	14.8	.0	.0	.0	27

AUGUST

PERIOD: (PRIMARY) 1909-1977
(OVER-ALL) 1877-1977

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	1.7	
	NO PCP	.0	.0	1.7	.4	1.3	1.7	.0	.0	.0	.0	5.1	
	TOT %	.0	.0	3.4	.4	1.3	1.7	.0	.0	.0	.0	6.8	
5<10	PCP	.0	3.4	3.9	2.5	.0	.0	.0	.0	.0	.0	11.9	
	NO PCP	.0	1.7	3.4	11.9	.0	.0	.0	.0	.0	.0	16.9	
	TOT %	.0	5.1	9.3	14.4	.0	.0	.0	.0	.0	.0	28.8	
10+	PCP	.0	1.7	.0	2.5	.8	.0	.0	.0	.0	.0	5.1	
	NO PCP	4.7	2.5	35.6	16.5	.0	.0	.0	.0	.0	.0	59.3	
	TOT %	4.7	4.2	35.6	19.1	.8	.0	.0	.0	.0	.0	64.4	
	TOT OBS												59
	TOT PCT	4.7	9.3	48.3	33.9	2.1	1.7	.0	.0	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.4	1.3	1.7	.0	.0	.0	.0	3.4	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	3.4	.0	.0	.0	.0	.0	.0		3.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	3.4	.4	1.3	1.7	.0	.0	.0	.0	6.8	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	1.7	3.4	8.5	.0	.0	.0	.0	.0		13.6	
	11-21	.0	3.4	5.9	5.9	.0	.0	.0	.0	.0		15.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	5.1	9.3	14.4	.0	.0	.0	.0	.0	.0	28.8	
10+	0-3	.0	.4	1.3	1.7	.0	.0	.0	.0	.0	.0	3.4	
	4-10	3.0	2.1	19.5	6.8	.8	.0	.0	.0	.0		32.2	
	11-21	1.7	1.7	14.8	10.6	.0	.0	.0	.0	.0		28.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	4.7	4.2	35.6	19.1	.8	.0	.0	.0	.0	.0	64.4	
	TOT OBS												59
	TOT PCT	4.7	9.3	48.3	33.9	2.1	1.7	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1909-1977
(OVER-ALL) 1877-1977

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	10.0	.0	10.0	.0	.0	.0	.0	20.0	80.0	10
06&09	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	20.0	80.0	5
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	1
18&21	.0	.0	.0	.0	12.5	12.5	.0	.0	.0	.0	25.0	75.0	8
TOT	0	0	0	1	2	2	0	0	0	0	5	19	24
PCT	.0	.0	.0	4.2	8.3	8.3	.0	.0	.0	.0	20.8	79.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	8.3	25.0	66.7	36
06&09	.0	.0	.0	14.3	14.3	71.4	7
12&15	.0	.0	.0	.0	75.0	25.0	8
18&21	.0	.0	.0	.0	12.5	87.5	8
TOT	0	0	0	4	17	38	89
PCT	.0	.0	.0	6.6	28.8	64.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50yD	<600 <1	<1000 <3	1000+ AND3+	NH <5/8 AND 3+	TOTAL OBS
00&03	.0	.0	16.7	16.7	66.7	6
06&09	.0	.0	20.0	.0	80.0	5
12&15	.0	.0	.0	.0	100.0	1
18&21	.0	.0	.0	28.6	71.4	7
TOT	0	0	2	3	14	19
PCT	.0	.0	10.5	15.8	73.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.0	.0	.0	4.7	2	4.7
85/89	.0	.0	.0	.0	.0	11.6	4.7	2.3	8	18.6
80/84	.0	.0	.0	.0	4.7	30.2	30.2	7.0	31	72.1
75/79	.0	.0	.0	.0	.0	.0	.0	4.7	2	4.7
TOTAL	0	0	0	0	2	18	15	8	43	100.0
PCT	.0	.0	.0	.0	4.7	41.9	34.9	18.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	1.7	2.9	.0	.0	.0	.0	.0
.0	2.3	14.0	2.3	.0	.0	.0	.0	.0	.0
4.1	3.5	37.8	26.7	.0	.0	.0	.0	.0	.0
.0	.0	4.1	.6	.0	.0	.0	.0	.0	.0
4.1	5.8	55.8	31.4	2.9	.0	.0	.0	.0	.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	90	89	89	84	79	76	76	83.5	43
06&09	84	83	83	82	79	79	79	81.9	8
12&15	82	81	81	81	77	77	77	80.8	9
18&21	83	82	82	81	80	80	80	81.3	8
TOT	90	89	88	82	79	76	76	82.7	70

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	7.1	35.7	32.1	25.0	82	28
06&09	.0	.0	.0	83.3	16.7	.0	77	6
12&15	.0	.0	.0	.0	.0	100.0	92	1
18&21	.0	.0	.0	37.5	62.5	.0	80	8
TOT	0	0	2	18	15	8	81	43

AUGUST

PERIOD: (PRIMARY) 1969-1977
(OVER-ALL) 1877-1977

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
6	.0	.0	.0	2.3	1	.0	2.3
3	.0	4.5	2.3	2.3	4	.0	9.1
2	.0	4.5	4.5	.0	4	.0	9.1
1	.0	4.5	4.5	.0	4	.0	9.1
0	.0	20.5	.0	.0	9	.0	20.5
-1	2.3	15.9	.0	.0	8	.0	18.2
-2	4.5	11.4	.0	.0	7	.0	15.9
-3	.0	2.3	.0	.0	1	.0	2.3
-4	4.5	4.5	.0	.0	4	.0	9.1
-6	.0	2.3	.0	.0	1	.0	2.3
-9/-10	2.3	.0	.0	.0	1	.0	2.3
TOTAL	6	31	5	2	44	0	44
PCT	13.6	70.5	11.4	4.5	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.9	.0	.0	.0	.0	3.9
3-4	.0	5.3	.0	.0	.0	.0	5.3
5-6	.0	.0	5.3	.0	.0	.0	5.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	9.2	5.3	.0	.0	.0	14.5

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	1.3	1.3	5.3	.0	.0	.0	7.9
3-4	.0	.0	5.3	.0	.0	.0	5.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	1.3	10.5	.0	.0	.0	13.2

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	5.3	.0	.0	.0	.0	5.3
1-2	3.9	14.5	3.9	.0	.0	.0	22.4
3-4	.0	3.9	5.3	.0	.0	.0	9.2
5-6	.0	.0	10.5	.0	.0	.0	10.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.9	23.7	19.7	.0	.0	.0	47.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	11.8	6.6	.0	.0	.0	18.4
3-4	.0	1.3	.0	.0	.0	.0	1.3
5-6	.0	.0	9.3	.0	.0	.0	9.3
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	13.2	11.8	.0	.0	.0	25.0

PERIOD: (OVER-ALL) 1964-1977 AUGUST AREA 0007 FUNAFUTI ATOLL

TABLE 18 (CONT) 8.9S 179.1E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	5.3	.0	.0	.0	.0	5.3	
1-2	5.3	31.6	15.8	.0	.0	.0	52.6	
3-4	.0	10.5	10.5	.0	.0	.0	21.1	
5-6	.0	.0	21.1	.0	.0	.0	21.1	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	5.3	47.4	47.4	.0	.0	.0	100.0	19

PERIOD: (OVER-ALL) 1959-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	5.0	5.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
6-7	.0	.0	.0	10.0	5.0	15.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	7
8-9	.0	.0	5.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
10-11	.0	.0	.0	15.0	15.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	6
12-13	.0	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	2
TOTAL	0	2	2	7	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	20	6
PCT	.0	10.0	10.0	35.0	30.0	15.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1883-1977

AREA 0007 FUNAFUTI ATOLL
8.5S 178.9E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	ND SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NE	.0	.0	12.9	.0	.0	.0	.0	12.9	.0	.0	.0	.0	.0		.0	87.1
E	.0	3.6	.0	.0	.0	.0	.0	3.6	.0	.0	.0	.0	.0		.0	96.4
SE	6.6	4.9	.0	.0	.0	.0	.0	11.5	1.6	6.6	.0	.0	.0		.0	86.9
S	.0	.0	.0	.0	.0	.0	.0	.0	42.9	.0	.0	.0	.0		.0	57.1
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NW	.0	100.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0		.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
TOT PCT	1.6	4.8	1.6	.0	.0	.0	.0	7.9	1.6	1.6	.0	.0	.0		.0	90.5
TOT OBS:	63															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	ND SIG WEA
00&03	.0	2.3	2.3	.0	.0	.0	.0	4.7	.0	.0	.0	.0	.0		.0	95.3
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
12&15	10.0	20.0	.0	.0	.0	.0	.0	30.0	10.0	10.0	.0	.0	.0		.0	60.0
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	1.5	4.6	1.5	.0	.0	.0	.0	7.7	1.5	1.5	.0	.0	.0		.0	90.8
TOT OBS:	65															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.0	1.0	.0	.0	.0		1.0	14.0	1.6	.0	.0	.0	.0	.0	.0	.0
NE	1.4	8.7	.7	.0	.0	.0		10.8	7.2	12.0	.0	.0	.0	2.1	.0	20.0	.0
E	6.6	29.2	17.0	.0	.0	.0		52.8	8.6	56.0	.0	37.5	50.0	45.8	50.0	50.0	.0
SE	3.1	10.8	10.8	.0	.0	.0		24.7	10.4	21.7	.0	12.5	50.0	37.5	50.0	20.0	.0
S	.0	.0	2.4	.0	.0	.0		2.4	13.0	.0	.0	50.0	.0	6.3	.0	.0	.0
SW	.0	.3	.0	.0	.0	.0		.3	9.0	.5	.0	.0	.0	.0	.0	.0	.0
W	.0	3.8	.0	.0	.0	.0		3.8	9.0	6.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	1.4	.0	.0	.0		1.4	17.0	2.2	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.8							2.8	.0	.0	.0	.0	.0	8.3	.0	10.0	.0
TOT OBS	10	38	24	0	0	0	72		9.0	46	0	2	1	12	1	10	0
TOT PCT	13.9	52.8	33.3	.0	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	1.0	.0	.0	.0		1.0	14.0	1.6	.0	.0	.0
NE	4.5	6.3	.0	.0	.0		10.8	7.2	12.0	.0	1.9	20.0
E	22.9	25.0	4.9	.0	.0		52.8	8.6	56.0	41.7	46.2	50.0
SE	10.1	6.9	7.6	.0	.0		24.7	10.4	21.7	25.0	38.5	20.0
S	.0	2.4	.0	.0	.0		2.4	13.0	.0	33.3	5.8	.0
SW	.0	.3	.0	.0	.0		.3	9.0	.5	.0	.0	.0
W	.0	3.8	.0	.0	.0		3.8	9.0	6.0	.0	.0	.0
NW	.0	.0	1.4	.0	.0		1.4	17.0	2.2	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.8						2.8	.0	.0	.0	7.7	10.0
TOT OBS	29	33	10	0	0	72		9.0	46	3	13	10
TOT PCT	40.3	45.8	13.9	.0	.0		100.0		100.0	100.0	100.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1883-1977

AREA 0007 FUNAFUTI ATOLL
8.9S 178.9E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	15.2	58.7	26.1	.0	.0	.0	8.4	100.0	46
06&09	.0	.0	66.7	33.3	.0	.0	.0	8.3	100.0	3
12&15	7.7	.0	23.1	69.2	.0	.0	.0	12.0	100.0	13
18&21	10.0	10.0	60.0	20.0	.0	.0	.0	7.8	100.0	10
TOT	2	8	38	24	0	0	0	9.0		72
PCT	2.8	11.1	52.8	33.3	.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	5.3	5.3	.0	1.3		3.1
E	5.3	9.2	7.9	9.2		4.9
SE	10.5	1.3	13.2	11.8		5.3
S	.0	.0	.0	9.2		8.0
SW	.0	.0	.0	.0		.0
W	.0	.0	10.5	.0		5.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	4	3	6	6	19	5.2
TOT PCT	21.1	15.8	31.6	31.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >6/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	10.5	
E	.0	3.9	.0	3.9	3.9	.0	.0	.0	.0	.0	19.7	
SE	.0	.0	1.3	1.3	6.6	10.5	5.3	.0	.0	.0	11.8	
S	.0	.0	3.9	.0	.0	5.3	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.5	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	1	1	1	2	3	1	0	0	0	10	19
TOT PCT	.0	5.3	5.3	5.3	10.5	15.8	5.3	.0	.0	.0	52.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >/=0YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
* OR >2000	15.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
* OR >1000	25.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
* OR >600	30.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
* OR >300	35.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
* OR >150	35.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0
* OR > 0	35.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0
TOTAL	7	8	9	9	9	9	9	9

TOTAL NUMBER OF OBS: 20

PCT FREQ NH <5/8: 55.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.0	11.5	11.5	23.1	15.4	15.4	7.7	.0	15.4	.0	26

SEPTEMBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1883-1977

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	1.6	.0	.0	1.6	
	NO PCP	.0	.4	1.2	1.6	.0	.0	.0	.0	.0	.0	3.2	
	TOT %	.0	.4	1.2	1.6	.0	.0	.0	1.6	.0	.0	4.8	
5<10	PCP	.0	1.6	.8	2.4	.0	.0	.0	.0	.0	.0	4.8	
	NO PCP	.0	.0	4.4	2.0	.0	.4	1.2	.0	.0	.0	7.9	
	TOT %	.0	1.6	5.2	4.4	.0	.4	1.2	.0	.0	.0	12.7	
10+	PCP	.0	.0	1.2	.4	.0	.0	.0	.0	.0	.0	1.6	
	NO PCP	1.2	10.3	47.2	17.9	2.8	.0	1.6	.0	.0	.0	81.0	
	TOT %	1.2	10.3	48.4	18.3	2.8	.0	1.6	.0	.0	.0	82.5	
	TOT OBS												63
	TOT PCT	1.2	12.3	54.8	24.2	2.8	.4	2.8	1.6	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	1.6	.0	.0	.0	.0	.0		1.6	
	11-21	.0	.4	1.2	.0	.0	.0	.0	1.6	.0		3.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.4	1.2	1.6	.0	.0	.0	1.6	.0	.0	4.7	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	1.6	.8	3.9	.0	.4	1.2	.0	.0		7.8	
	11-21	.0	.0	4.3	2.0	.0	.0	.0	.0	.0		6.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	1.6	5.1	5.9	.0	.4	1.2	.0	.0	.0	14.1	
10+	0-3	.0	1.6	7.4	3.5	.0	.0	.0	.0	.0	.0	12.5	
	4-10	.0	8.2	30.5	6.6	.0	.0	1.6	.0	.0		46.9	
	11-21	1.2	.4	9.8	7.8	2.7	.0	.0	.0	.0		21.9	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.2	10.2	47.7	18.0	2.7	.0	1.6	.0	.0	.0	81.3	
	TOT OBS												64
	TOT PCT	1.2	12.1	53.9	25.4	2.7	.4	2.7	1.6	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1883-1977

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00603	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	16.7	83.3	6
06609	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	50.0	50.0	2
12615	.0	12.5	12.5	12.5	12.5	12.5	12.5	.0	.0	.0	75.0	25.0	8
18621	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0	11.1	88.9	9
TOT	0	1	1	1	2	3	1	0	0	0	9	16	25
PCT	.0	4.0	4.0	4.0	8.0	12.0	4.0	.0	.0	.0	36.0	64.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00603	.0	.0	.0	4.7	9.3	86.0	43
06609	.0	.0	.0	.0	.0	100.0	3
12615	.0	.0	.0	9.1	36.4	54.5	11
18621	.0	.0	.0	.0	11.1	88.9	9
TOT	0	0	0	3	9	54	66
PCT	.0	.0	.0	4.5	13.6	81.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NM >4/8), BY HOUR

HOUR (GMT)	<150 <50yD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00603	.0	.0	.0	33.3	66.7	3
06609	.0	.0	.0	50.0	50.0	2
12615	.0	28.6	42.9	42.9	14.3	7
18621	.0	.0	.0	12.5	87.5	8
TOT	0	2	3	6	11	20
PCT	.0	10.0	15.0	30.0	55.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.0	1.8	1.8	.0	2	3.6
85/89	.0	.0	.0	.0	.0	20.0	16.4	7.3	24	43.6
80/84	.0	.0	.0	.0	.0	12.7	23.6	7.3	24	43.6
75/79	.0	.0	.0	.0	.0	.0	5.5	3.6	5	9.1
TOTAL	0	0	0	0	0	19	26	10	55	100.0
PCT	.0	.0	.0	.0	.0	34.5	47.3	18.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	3.2	.5	.0	.0	.0	.0	.0	.0
1.4	6.4	25.5	10.5	.0	.0	.0	.0	.0	.0
.0	4.1	27.7	6.4	.0	.5	3.2	.0	.0	1.8
.0	.0	1.4	.9	3.2	.0	.0	1.8	.0	1.8
1.4	10.5	57.7	18.2	3.2	.5	3.2	1.8	.0	3.6

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00603	93	92	89	85	82	76	76	85.1	49
06609	86	85	85	84	78	78	78	82.7	3
12615	82	81	81	80	78	78	78	80.4	14
18621	82	81	81	81	78	78	78	80.8	11
TOT	93	92	88	84	78	76	76	83.4	77

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00603	.0	.0	.0	38.5	38.5	23.1	82	39
06609	.0	.0	.0	.0	100.0	.0	81	1
12615	.0	.0	.0	.0	87.5	12.5	85	8
18621	.0	.0	.0	55.6	44.4	.0	80	9
TOT	0	0	0	20	27	10	82	57

SEPTEMBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1883-1977

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
7/8	.0	.0	.0	2.2	.0	2.2	2	.0	4.3
4	.0	.0	2.2	4.3	.0	.0	3	.0	6.5
3	.0	.0	.0	2.2	.0	.0	1	.0	2.2
2	.0	.0	6.5	10.9	.0	.0	8	.0	17.4
1	.0	4.3	2.2	.0	.0	.0	3	.0	6.5
0	.0	.0	13.0	4.3	.0	.0	8	.0	17.4
-1	.0	.0	10.9	.0	.0	.0	5	.0	10.9
-2	.0	.0	13.0	.0	.0	.0	6	.0	13.0
-3	.0	2.2	2.2	2.2	.0	.0	3	.0	6.5
-4	.0	2.2	2.2	2.2	.0	.0	3	.0	6.5
-5	.0	2.2	2.2	.0	.0	.0	2	.0	4.3
-7/-8	2.2	2.2	.0	.0	.0	.0	2	.0	4.3
TOTAL	1	6	25	13	0	1	46	0	46
PCT	2.2	13.0	54.3	28.3	.0	2.2	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	1.7	.0	.0	.0	1.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	1.7	.0	.0	.0	1.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	5.0	.0	.0	.0	.0	.0	5.0
1-2	.0	13.3	10.0	.0	.0	.0	23.3
3-4	.0	.0	11.7	.0	.0	.0	11.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	5.0	.0	.0	.0	.0	5.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	5.0	18.3	21.7	.0	.0	.0	45.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	8.3	.0	.0	.0	.0	.0	8.3
1-2	.0	6.7	5.0	.0	.0	.0	11.7
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	1.7	6.7	.0	.0	.0	8.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	8.3	8.3	11.7	.0	.0	.0	28.3

PERIOD: (OVER-ALL) 1962-1977 SEPTEMBER AREA 0007 FUNAFUTI ATOLL

TABLE 18 (CONT) 8.9S 178.9E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	5.0	.0	.0	.0	5.0
3-4	.0	.0	6.7	.0	.0	.0	6.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	11.7	.0	.0	.0	11.7

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	13.3	.0	.0	.0	.0	13.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	13.3	.0	.0	.0	.0	13.3

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	13.3	.0	.0	.0	.0	.0	13.3	
1-2	.0	20.0	20.0	.0	.0	.0	40.0	
3-4	.0	13.3	20.0	.0	.0	.0	33.3	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	6.7	6.7	.0	.0	.0	13.3	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	13.3	40.0	46.7	.0	.0	.0	100.0	15

PERIOD: (OVER-ALL) 1951-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	5.0	5.0	.0	10.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5
6-7	.0	.0	10.0	15.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	5
8-9	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	10.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	6
INDEF	5.0	.0	5.0	10.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
TOTAL	1	1	4	8	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	20	5
PCT	5.0	5.0	20.0	40.0	20.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1942-1975
(OVER-ALL) 1934-1975

AREA 0007 FUNAFUTI ATOLL
8.5S 178.9E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA						
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
E	7.1	4.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0		.0	88.9
SE	3.8	.0	.0	.0	.0	.0	.0	3.8	.0	.0	.0	.0	.0		.0	96.2
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
W	.0	.0	100.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0		.0	.0
NW	50.0	.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0		.0	50.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
TOT PCT	5.5	1.8	1.8	.0	.0	.0	.0	9.1	.0	.0	.0	.0	.0		.0	90.9
TOT OBS:	55															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA						
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	6.7	.0	2.2	.0	.0	.0	.0	8.9	.0	.0	.0	.0	.0		.0	91.1
06&09	.0	50.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0		.0	50.0
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	5.5	1.8	1.8	.0	.0	.0	.0	9.1	.0	.0	.0	.0	.0		.0	90.9
TOT OBS:	55															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	2.1	.0	.0	.0	.0		2.1	9.2	2.7	.0	.0	.0	.0	.0	.0	.0
NE	8.9	17.8	1.7	.0	.0	.0		28.4	5.4	32.1	100.0	.0	.0	.0	.0	.0	33.3
E	8.1	26.3	13.6	.0	.0	.0		47.9	8.4	48.4	.0	100.0	.0	50.0	.0	75.0	33.3
SE	.0	6.4	5.1	.0	.0	.0		11.4	11.5	6.0	.0	.0	.0	50.0	100.0	25.0	33.3
S	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	1.7	3.4	.0	.0	.0	.0		5.1	4.0	4.3	.0	.0	100.0	.0	.0	.0	.0
W	.0	.0	1.7	.0	.0	.0		1.7	14.0	2.2	.0	.0	.0	.0	.0	.0	.0
NW	3.4	.0	.0	.0	.0	.0		3.4	2.0	4.3	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	13	33	13	0	0	0	59		7.6	46	1	1	1	2	1	4	3
TOT PCT	22.0	55.9	22.0	.0	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	2.1	.0	.0	.0		2.1	9.2	2.7	.0	.0	.0
NE	19.9	8.5	.0	.0	.0		28.4	5.4	33.3	.0	.0	14.3
E	22.3	20.3	5.1	.0	.0		47.9	8.4	47.3	90.0	33.3	57.1
SE	.0	11.4	.0	.0	.0		11.4	11.5	5.9	.0	66.7	28.6
S	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
SW	5.1	.0	.0	.0	.0		5.1	4.0	4.3	90.0	.0	.0
W	.0	1.7	.0	.0	.0		1.7	14.0	2.1	.0	.0	.0
NW	3.4	.0	.0	.0	.0		3.4	2.0	4.3	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0						.0	.0	.0	.0	.0	.0
TOT OBS	30	26	3	0	0	59		7.6	47	2	3	7
TOT PCT	50.8	44.1	5.1	.0	.0		100.0		100.0	100.0	100.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1942-1975
(OVER-ALL) 1934-1975

AREA 0007 FUNAFUTI ATOLL
8.5S 178.9E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00604	.0	25.5	57.4	17.0	.0	.0	.0	6.8	100.0	47
06609	.0	50.0	.0	50.0	.0	.0	.0	6.5	100.0	2
12615	.0	.0	33.3	66.7	.0	.0	.0	12.3	100.0	3
18621	.0	.0	71.4	28.6	.0	.0	.0	11.0	100.0	7
TOT	0	13	33	13	0	0	0	7.6		59
PCT	.0	22.0	55.9	22.0	.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	9.4	.0		7.0
NE	12.5	.0	3.1	.0		2.2
E	.0	25.0	12.5	9.4		5.0
SE	.0	25.0	.0	3.1		4.4
S	.0	.0	.0	.0		.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	1	4	2	1	8	4.6
TOT PCT	12.5	50.0	25.0	12.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	9.4	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	3.1	.0	.0	.0	.0	12.5	
E	9.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	37.5	
SE	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	25.0	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	1	0	0	0	0	1	0	0	0	0	6	8
TOT PCT	12.5	.0	.0	.0	.0	12.5	.0	.0	.0	.0	75.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >500YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
* OR >1000	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
* OR >600	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
* OR >300	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
* OR >150	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
* OR > 0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
TOTAL	2	2	2	2	2	2	2	2

TOTAL NUMBER OF OBS: 8 PCT FREQ NH <5/8: 75.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
11.1	.0	11.1	11.1	33.3	.0	11.1	11.1	11.1	.0	9

OCTOBER

PERIOD: (PRIMARY) 1942-1975
(OVER-ALL) 1934-1975

AREA 0007 FUNAFUTI ATOLL
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	1.8	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	1.8	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	1.8	
	TOT %	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	1.8	
5<10	PCP	.0	.0	1.8	.0	.0	.0	1.8	.0	.0	.0	3.6	
	NO PCP	.0	3.6	1.8	3.6	.0	.0	.0	.0	.0	.0	9.1	
	TOT %	.0	3.6	3.6	3.6	.0	.0	1.8	.0	.0	.0	12.7	
10+	PCP	.0	.0	3.2	.5	.0	.0	.0	.0	.0	.0	3.6	
	NO PCP	2.3	24.5	38.2	7.7	.0	5.5	.0	1.8	.0	.0	80.0	
	TOT %	2.3	24.5	41.4	8.2	.0	5.5	.0	1.8	.0	.0	83.6	
	TOT OBS												55
	TOT PCT	2.3	30.0	45.0	11.8	.0	5.5	1.8	3.6	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	1.8	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	1.8	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	1.8	.0	.0	.0	.0	.0	.0	.0		1.8	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	1.8	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	3.5	1.8	3.5	.0	.0	.0	.0	.0		8.8	
	11-21	.0	.0	1.8	.0	.0	.0	1.8	.0	.0		3.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	3.5	3.5	3.5	.0	.0	1.8	.0	.0	.0	12.3	
10+	0-3	.0	9.2	8.3	.0	.0	1.8	.0	1.8	.0	.0	21.1	
	4-10	2.2	13.2	23.7	3.1	.0	3.3	.0	.0	.0		45.6	
	11-21	.0	1.8	10.5	5.3	.0	.0	.0	.0	.0		17.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	2.2	24.1	42.5	8.3	.0	5.3	.0	1.8	.0	.0	84.2	
	TOT OBS												57
	TOT PCT	2.2	29.4	46.1	11.8	.0	5.3	1.8	3.5	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1942-1973
(OVER-ALL) 1934-1973

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	25.0	.0	.0	.0	.0	25.0	.0	.0	.0	.0	50.0	50.0	4
06&09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	1
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	2
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	1
TOT	1	0	0	0	0	1	0	0	0	0	2	6	8
PCT	12.5	.0	.0	.0	.0	12.5	.0	.0	.0	.0	25.0	75.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	2.1	.0	2.1	8.5	87.2	47
06&09	.0	.0	.0	.0	.0	100.0	2
12&15	.0	.0	.0	.0	33.3	66.7	3
18&21	.0	.0	.0	.0	40.0	60.0	5
TOT	0	1	0	1	7	46	57
PCT	.0	1.8	.0	1.8	12.3	84.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	25.0	25.0	25.0	25.0	50.0	4
06&09	.0	.0	.0	.0	100.0	1
12&15	.0	.0	.0	.0	100.0	2
18&21	.0	.0	.0	.0	100.0	1
TOT	1	1	1	1	6	8
PCT	12.5	12.5	12.5	12.5	75.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	2.0	5.9	.0	3	5.9
90/94	.0	.0	.0	2.0	5.9	2.0	7.8	2.0	10	19.6
85/89	.0	.0	.0	.0	5.9	15.7	11.8	3.9	19	37.3
80/84	.0	.0	.0	.0	.0	5.9	15.7	7.8	15	29.4
75/79	.0	.0	.0	.0	.0	.0	2.0	5.9	4	7.8
TOTAL	0	0	0	1	6	13	21	10	51	100.0
PCT	.0	.0	.0	2.0	11.8	25.5	41.2	19.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	2.5	2.9	.5	.0	.0	.0	.0	.0	.0
.0	8.3	11.5	.0	.0	.0	.0	.0	.0	.0
1.0	13.7	14.7	3.9	.0	.0	.0	.0	2.0	.0
1.5	4.4	19.1	4.4	.0	.0	.0	.0	.0	.0
.0	.0	3.4	.5	.0	.0	2.0	2.0	.0	.0
2.5	30.9	51.5	9.3	.0	.0	2.0	3.9	.0	.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	96	95	95	86	78	77	77	86.9	47
06&09	88	87	87	82	82	82	82	85.0	2
12&15	82	81	81	81	79	79	79	80.7	3
18&21	88	87	87	82	80	80	80	82.7	7
TOT	96	95	94	85	78	77	77	86.0	59

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	2.3	13.6	22.7	38.6	22.7	81	44
06&09	.0	.0	.0	.0	100.0	.0	89	1
12&15	.0	.0	.0	.0	100.0	.0	85	1
18&21	.0	.0	.0	60.0	40.0	.0	80	5
TOT	0	1	6	13	21	10	82	51

OCTOBER

PERIOD: (PRIMARY) 1942-1979
(OVER-ALL) 1934-1979

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
7/8	.0	.0	.0	.0	3.3	1	.0	3.3
6	.0	.0	6.7	.0	.0	2	.0	6.7
5	.0	.0	.0	6.7	.0	2	.0	6.7
4	.0	.0	6.7	.0	.0	2	.0	6.7
2	.0	.0	10.0	.0	.0	3	.0	10.0
1	.0	6.7	3.3	.0	.0	3	.0	10.0
0	.0	6.7	.0	.0	.0	2	.0	6.7
-1	.0	6.7	3.3	.0	.0	3	.0	10.0
-2	.0	10.0	.0	.0	.0	3	.0	10.0
-3	.0	6.7	.0	.0	.0	2	.0	6.7
-4	13.3	.0	.0	.0	.0	4	.0	13.3
-6	3.3	.0	.0	.0	.0	1	.0	3.3
-7/-8	6.7	.0	.0	.0	.0	2	.0	6.7
TOTAL	7	11	9	2	1	30	0	30
PCT	23.3	36.7	30.0	6.7	3.3	100.0		100.0

PERIOD: (OVER-ALL) 1960-1979

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	15.0	.0	.0	.0	.0	15.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-88	.0	.0	.0	.0	.0	.0	.0
89+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	15.0	.0	.0	.0	.0	15.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	5.0	.0	.0	.0	.0	5.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-88	.0	.0	.0	.0	.0	.0	.0
89+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.0	.0	.0	.0	.0	5.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	20.0	.0	.0	.0	.0	20.0
3-4	.0	20.0	.0	.0	.0	.0	20.0
5-6	.0	15.0	.0	.0	.0	.0	15.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-88	.0	.0	.0	.0	.0	.0	.0
89+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	35.0	20.0	.0	.0	.0	55.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	20.0	.0	.0	.0	20.0
5-6	.0	5.0	.0	.0	.0	.0	5.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-88	.0	.0	.0	.0	.0	.0	.0
89+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.0	20.0	.0	.0	.0	25.0

PERIOD: (OVER-ALL) 1968-1975

OCTOBER

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	20.0	20.0	.0	.0	.0	40.0	
3-4	.0	20.0	20.0	.0	.0	.0	40.0	
5-6	.0	20.0	.0	.0	.0	.0	20.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	60.0	40.0	.0	.0	.0	100.0	5

PERIOD: (OVER-ALL) 1951-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	28.6	14.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
6-7	.0	.0	.0	14.3	.0	14.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
8-9	.0	.0	.0	.0	.0	14.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	14.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
TOTAL	0	0	2	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	7	5
PCT	.0	.0	28.6	42.9	.0	28.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1873-1977

AREA 0007 FUNAFUTI ATOLL
8.5S 178.9E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	8.7	.0	.0	.0	.0	.0	.0	8.7	.0	.0	.0	.0	.0	.0	.0	91.3
NE	4.7	.0	.0	.0	.0	.0	.0	4.7	.0	.0	.0	.0	.0	.0	.0	95.3
E	.0	5.0	.0	.0	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	95.0
SE	8.7	2.2	.0	.0	.0	.0	.0	10.9	8.7	.0	.0	.0	.0	.0	.0	80.4
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	10.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	90.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	3.8	2.5	.0	.0	.0	.0	.0	6.3	1.3	.0	.0	.0	.0	.0	.0	92.5
TOT OBS:	80															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	3.0	1.5	.0	.0	.0	.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0	95.5
06&09	.0	33.3	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	.0	66.7
12&15	33.3	.0	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	.0	66.7
18&21	.0	.0	.0	.0	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	87.5
TOT PCT	3.8	2.5	.0	.0	.0	.0	.0	6.3	1.3	.0	.0	.0	.0	.0	.0	92.5
TOT OBS:	80															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	2.5	6.3	3.6	1.1	.0	.0		13.5	9.8	13.9	.0	16.7	.0	.0	.0	20.0	16.7
NE	3.8	17.9	3.8	.0	.0	.0		25.3	6.9	27.4	.0	.0	.0	20.0	.0	20.0	33.3
E	9.6	8.8	3.0	.0	.0	.0		21.4	5.6	21.6	50.0	.0	.0	20.0	.0	15.0	41.7
SE	5.2	8.2	.8	1.1	.0	.0		15.4	7.0	12.2	50.0	.0	.0	60.0	.0	25.0	8.3
S	.8	1.9	.0	.0	.0	.0		2.7	5.6	2.4	.0	25.0	.0	.0	.0	.0	.0
SW	1.1	1.4	.0	1.1	.0	.0		3.6	10.9	4.1	.0	8.3	.0	.0	.0	.0	.0
W	1.1	.0	.0	.0	.0	.0		1.1	2.0	1.4	.0	.0	.0	.0	.0	.0	.0
NW	1.1	6.0	3.0	1.1	.0	.0		11.3	11.4	11.8	.0	50.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.5							5.5	.0	5.4	.0	.0	.0	.0	.0	20.0	.0
TOT OBS	28	46	13	4	0	0	91		7.2	74	1	3	0	5	0	5	3
TOT PCT	30.8	50.5	14.3	4.4	.0	.0		100.0		100.0	100.0	100.0	.0	100.0	.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	5.5	6.3	.5	1.1	.0		13.5	9.8	13.7	16.7	.0	18.8
NE	15.4	9.1	1.1	.0	.0		25.3	6.9	27.0	.0	20.0	25.0
E	14.0	6.9	.5	.0	.0		21.4	5.6	22.0	.0	20.0	25.0
SE	9.1	4.7	1.6	.0	.0		15.4	7.0	12.7	.0	60.0	18.8
S	1.9	.8	.0	.0	.0		2.7	5.6	2.3	25.0	.0	.0
SW	2.2	.3	1.1	.0	.0		3.6	10.9	4.0	8.3	.0	.0
W	1.1	.0	.0	.0	.0		1.1	2.0	1.3	.0	.0	.0
NW	4.7	3.8	1.6	1.1	.0		11.3	11.4	11.7	50.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	5.5						5.5	.0	5.3	.0	.0	12.5
TOT OBS	54	29	6	2	0	91		7.2	75	3	5	8
TOT PCT	59.3	31.9	6.6	2.2	.0		100.0		100.0	100.0	100.0	100.0

9656 553

NOVEMBER

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1873-1977

AREA 0007 FUNAFUTI ATOLL
8.5S 179.2E

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	5.3	29.3	50.7	12.0	2.7	.0	.0	6.5	100.0	75
06&09	.0	.0	33.3	66.7	.0	.0	.0	14.0	100.0	3
12&15	.0	20.0	60.0	.0	20.0	.0	.0	8.6	100.0	5
18&21	12.5	.0	50.0	25.0	12.5	.0	.0	10.3	100.0	8
TOT	5	23	46	13	4	0	0	7.2		91
PCT	5.5	25.3	50.5	14.3	4.4	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	9.1		8.0
NE	.0	9.1	9.1	.0		5.5
E	6.8	.0	.0	.0		2.0
SE	11.4	.0	9.1	18.2		5.7
S	.0	.0	6.8	.0		7.0
SW	.0	.0	2.3	.0		7.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	9.1		8.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	9.1	.0		7.0
TOT OBS	2	1	4	4	11	6.0
TOT PCT	18.2	9.1	36.4	36.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 2499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	9.1	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.2	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	
SE	.0	.0	.0	9.1	9.1	.0	.0	.0	.0	.0	20.5	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	9.1	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	
TOT OBS	0	0	0	1	3	0	0	0	0	0	7	11
TOT PCT	.0	.0	.0	9.1	27.3	.0	.0	.0	.0	.0	63.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >1000	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
* OR >600	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
* OR >300	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
* OR >150	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
* OR > 0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
TOTAL	4	4	4	4	4	4	4	4

TOTAL NUMBER OF OBS: 10 PCT FREQ NH <5/8: 60.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.0	13.3	40.0	6.7	.0	13.3	13.3	6.7	6.7	.0	15

NOVEMBER

PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1873-1977

AREA 0007 FUNAFUTI ATOLL
8.5S 178.9E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	
	NO PCP	.0	1.3	1.3	1.3	.9	.3	.0	.0	.0	.0	5.1	
	TOT %	1.3	1.3	1.3	1.3	.9	.3	.0	.0	.0	.0	6.3	
10+	PCP	.0	1.3	.9	1.6	.0	.0	.0	1.3	.0	.0	5.1	
	NO PCP	13.3	24.4	15.8	11.4	2.2	3.8	1.3	11.4	.0	5.1	88.6	
	TOT %	13.3	25.6	16.8	13.0	2.2	3.8	1.3	12.7	.0	5.1	93.7	
	TOT OBS												79
	TOT PCT	14.6	26.9	18.0	14.2	3.2	4.1	1.3	12.7	.0	5.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	1.2	1.2	1.2	1.2	.9	.3	.0	.0	.0		6.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.2	1.2	1.2	1.2	.9	.3	.0	.0	.0	.0	6.0	
10+	0-3	2.7	4.2	8.1	5.7	.9	1.2	1.2	1.2	.0	6.0	31.3	
	4-10	5.7	17.2	7.2	5.4	1.2	1.2	.0	6.6	.0		44.6	
	11-21	3.9	4.2	1.8	.0	.0	.0	.0	3.3	.0		13.3	
	22+	1.2	.0	.0	1.2	.0	1.2	.0	1.2	.0		4.8	
	TOT %	13.6	25.6	17.2	12.3	2.1	3.6	1.2	12.3	.0	6.0	94.0	
	TOT OBS												83
	TOT PCT	14.8	26.8	18.4	13.6	3.0	3.9	1.2	12.3	.0	6.0	100.0	

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PERIOD: (PRIMARY) 1942-1977
(OVER-ALL) 1873-1977

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	2
06&09	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	33.3	66.7	3
12&15	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	33.3	66.7	3
18&21	.0	.0	.0	20.0	20.0	.0	.0	.0	.0	.0	40.0	60.0	5
TOT	0	0	0	1	3	0	0	0	0	0	4	9	13
PCT	.0	.0	.0	7.7	23.1	.0	.0	.0	.0	.0	30.8	69.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	5.7	94.3	70
06&09	.0	.0	.0	.0	33.3	66.7	3
12&15	.0	.0	.0	.0	.0	100.0	3
18&21	.0	.0	.0	.0	.0	100.0	7
TOT	0	0	0	0	5	78	83
PCT	.0	.0	.0	.0	6.0	94.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	.0	.0	100.0	1
06&09	.0	.0	.0	50.0	50.0	2
12&15	.0	.0	.0	33.3	66.7	3
18&21	.0	.0	25.0	25.0	50.0	4
TOT	0	0	1	3	6	10
PCT	.0	.0	10.0	30.0	60.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
100/104	.0	.0	.0	.0	1.3	.0	.0	.0	1	1.3
95/99	.0	.0	.0	1.3	3.9	.0	.0	.0	4	5.3
90/94	.0	.0	.0	.0	1.3	9.2	3.9	.0	11	14.5
85/89	.0	.0	.0	.0	6.6	11.8	13.2	5.3	28	36.8
80/84	.0	.0	.0	.0	1.3	9.2	22.4	5.3	29	38.2
75/79	.0	.0	.0	.0	.0	1.3	1.3	1.3	3	3.9
TOTAL	0	0	0	1	11	24	31	9	76	100.0
PCT	.0	.0	.0	1.3	14.5	31.6	40.8	11.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3
1.0	1.6	2.3	.0	.0	.0	.0	.3	.0	.0
2.0	6.3	3.3	1.3	.0	.0	.0	1.6	.0	.0
4.6	11.2	5.9	5.9	2.3	1.3	.0	3.0	.0	2.6
4.6	7.2	5.6	6.9	1.0	1.6	1.3	7.2	.0	2.6
1.3	1.3	.0	.0	.0	1.3	.0	.0	.0	.0
13.5	27.6	17.1	14.1	3.3	4.3	1.3	12.2	.0	6.6

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	101	100	97	86	80	76	76	86.7	74
06&09	84	83	83	83	81	81	81	82.7	3
12&15	86	85	85	81	80	80	80	82.2	5
18&21	84	83	83	82	80	80	80	81.9	8
TOT	101	99	95	85	80	76	76	85.9	90

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.5	15.4	30.8	38.5	13.8	79	65
06&09	.0	.0	.0	100.0	.0	.0	74	2
12&15	.0	.0	33.3	.0	66.7	.0	79	3
18&21	.0	.0	.0	33.3	66.7	.0	81	6
TOT	0	1	11	24	31	9	79	76

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
6	.0	.0	3.0	.0	1	.0	3.0
3	.0	.0	3.0	3.0	2	.0	6.1
1	.0	.0	12.1	.0	4	.0	12.1
0	.0	9.1	15.2	.0	8	.0	24.2
-1	.0	12.1	3.0	.0	5	.0	15.2
-2	.0	18.2	3.0	.0	7	.0	21.2
-3	.0	3.0	.0	.0	1	.0	3.0
-4	6.1	6.1	.0	.0	4	.0	12.1
-7/-8	3.0	.0	.0	.0	1	.0	3.0
TOTAL	3		13			0	33
		16		1	33		
PCT	9.1	48.5	39.4	3.0	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	9.1	.0	.0	9.1
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	9.1	.0	.0	9.1

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	9.1	.0	.0	.0	.0	9.1
1-2	.0	9.1	.0	.0	.0	.0	9.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	18.2	.0	.0	.0	.0	18.2

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	6.8	.0	.0	.0	6.8
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	6.8	.0	.0	.0	6.8

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	18.2	.0	.0	.0	.0	18.2
1-2	.0	.0	2.3	.0	.0	.0	2.3
3-4	.0	9.1	.0	9.1	.0	.0	18.2
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	27.3	2.3	9.1	.0	.0	38.6

PERIOD: (OVER-ALL) 1963-1977 NOVEMBER AREA 0007 FUNAFUTI ATOLL

TABLE 1e (CONT) 8.5S 178.9E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	6.8	.0	.0	.0	.0	6.8
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.8	.0	.0	.0	.0	6.8

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.3	.0	.0	.0	.0	2.3
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.3	.0	.0	.0	.0	2.3

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	9.1	.0	.0	.0	9.1	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	9.1	.0	.0	.0	9.1	90.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	9.1	36.4	.0	.0	.0	.0	45.5	
1-2	.0	9.1	9.1	.0	.0	.0	18.2	
3-4	.0	9.1	9.1	18.2	.0	.0	36.4	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	9.1	54.5	18.2	18.2	.0	.0	100.0	11

PERIOD: (OVER-ALL) 1963-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	9.1	.0	18.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	2
6-7	.0	18.2	9.1	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	3
8-9	.0	.0	.0	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
10-11	.0	.0	.0	.0	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	9.1	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	1
TOTAL	2	3	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	3
PCT	18.2	27.3	27.3	18.2	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1885-1977

AREA 0007 FUNAFUTI ATOLL
8.5S 179.0E

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	16.7	.0	.0	.0	.0	.0	.0	16.7	9.9	.0	.0	.0	.0	.0	.0	73.8
NE	12.9	.0	.0	.0	.0	.0	.0	12.9	.0	.0	.0	.0	.0	.0	.0	87.1
E	15.4	10.3	.0	.0	.0	.0	.0	25.6	.0	.0	.0	.0	.0	.0	.0	74.4
SE	11.1	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0	.0	.0	88.9
S	.0	25.0	.0	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0	.0	75.0
SW	17.4	.0	4.3	.0	.0	.0	.0	21.7	.0	.0	.0	.0	.0	.0	.0	78.3
W	4.7	.0	4.7	.0	.0	.0	.0	9.4	.0	.0	.0	.0	.0	.0	.0	90.6
NW	16.8	.0	3.7	.0	.0	.0	.0	20.6	.0	.0	.0	.0	.0	.0	.0	79.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	12.6	4.3	2.3	.0	.0	.0	.0	17.2	1.1	.0	.0	.0	.0	.0	.0	81.6
TOT OBS:	87															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
0003	13.9	1.4	2.8	.0	.0	.0	.0	18.1	.0	.0	.0	.0	.0	.0	.0	81.9
0609	.0	.0	.0	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	83.3
1215	12.5	.0	.0	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	.0	87.5
1821	.0	20.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0	80.0
TOT PCT	12.1	4.2	2.2	.0	.0	.0	.0	16.5	1.1	.0	.0	.0	.0	.0	.0	82.4
TOT OBS:	91															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	1.6	7.4	5.8	.0	.0	.0		14.7	10.1	13.7	.0	25.0	.0	28.6	.0	.0	.0
NE	2.4	4.7	1.3	.0	.0	.0		8.4	7.8	7.7	.0	17.9	.0	.0	.0	29.0	.0
E	2.1	5.3	5.0	.0	.0	.0		12.4	7.9	12.3	.0	14.3	.0	21.4	.0	.0	.0
SE	.0	4.7	.0	.0	.0	.0		4.7	7.0	2.7	.0	.0	.0	21.4	.0	25.0	.0
S	1.1	3.2	.0	.0	.0	.0		4.2	5.7	1.3	.0	14.3	.0	.0	100.0	.0	100.0
SW	.0	5.8	.3	.0	.0	.0		6.1	8.2	7.7	.0	.0	.0	.0	.0	.0	.0
W	1.8	5.5	9.5	.0	.0	.0		16.8	11.2	19.3	.0	.0	.0	.0	.0	37.5	.0
NW	3.7	11.8	13.9	.0	.0	.0		29.5	10.6	32.7	.0	28.6	.0	14.3	.0	12.5	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.2							3.2	.0	2.7	.0	.0	.0	14.3	.0	.0	.0
TOT OBS	15	46	34	0	0	0	95		9.1	75	0	7	0	7	1	4	1
TOT PCT	15.8	48.4	35.8	.0	.0	.0		100.0		100.0	.0	100.0	.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.6	11.3	.8	.0	.0		14.7	10.1	13.7	25.0	25.0	.0
NE	3.4	5.0	.0	.0	.0		8.4	7.8	7.7	17.9	.0	20.0
E	5.8	6.6	.0	.0	.0		12.4	7.9	12.3	14.3	18.8	.0
SE	2.6	2.1	.0	.0	.0		4.7	7.0	2.7	.0	18.8	20.0
S	2.1	2.1	.0	.0	.0		4.2	5.7	1.3	14.3	12.5	20.0
SW	4.7	1.1	.3	.0	.0		6.1	8.2	7.7	.0	.0	.0
W	5.5	7.1	4.2	.0	.0		16.8	11.2	19.3	.0	.0	30.0
NW	6.8	19.5	3.2	.0	.0		29.5	10.6	32.7	28.6	12.5	10.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.2						3.2	.0	2.7	.0	12.5	.0
TOT OBS	35	52	8	0	0	95		9.1	75	7	8	5
TOT PCT	36.8	54.7	8.4	.0	.0		100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1885-1977

AREA 0007 FUNAFUTI ATOLL
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00604	2.7	13.3	46.7	37.3	.0	.0	.0	9.2	100.0	75
06609	.0	14.3	14.3	71.4	.0	.0	.0	11.2	100.0	7
12613	12.5	12.5	75.0	.0	.0	.0	.0	5.6	100.0	8
18621	.0	.0	80.0	20.0	.0	.0	.0	10.0	100.0	5
TOT	3	12	46	34	0	0	0	9.1		95
PCT	3.2	12.6	48.4	35.8	.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	7.1	.0	.0	12.5		5.8
NE	.0	.0	7.1	1.8		7.2
E	.0	7.1	.0	.0		3.0
SE	14.3	.0	.0	7.1		3.6
S	.0	.0	7.1	.0		6.0
SW	.0	.0	.0	.0		.0
W	.0	.0	12.5	5.4		7.0
NW	.0	7.1	1.8	8.9		6.2
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	3	2	4	5	14	5.5
TOT PCT	21.4	14.3	28.6	35.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000-149	150-299	300-599	600-999	1000-1999	2000-3499	3500-4999	5000-6499	6500-7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	7.1	.0	.0	.0	.0	.0	12.5	
NE	.0	.0	.0	.0	7.1	.0	.0	.0	.0	.0	1.8	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	
SE	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	14.3	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	10.7	
NW	.0	.0	.0	.0	7.1	.0	.0	.0	.0	.0	10.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	0	2	5	0	0	0	0	0	9	14
TOT PCT	.0	.0	.0	14.3	21.4	.0	.0	.0	.0	.0	64.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >1000	12.5	18.8	18.8	18.8	18.8	18.8	18.8	18.8
* OR >600	18.8	31.3	31.3	31.3	31.3	31.3	31.3	31.3
* OR >300	18.8	31.3	31.3	31.3	31.3	31.3	31.3	31.3
* OR >150	18.8	31.3	31.3	31.3	31.3	31.3	31.3	31.3
* OR > 0	18.8	31.3	31.3	31.3	31.3	31.3	31.3	31.3
TOTAL	3	5	5	5	5	5	5	5

TOTAL NUMBER OF OBS: 16

PCT FREQ NH <5/8: 68.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
.0	11.8	29.4	17.6	5.9	.0	.0	11.8	23.5	.0	17

DECEMBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1885-1977

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	1.2	.0	.0	.0	.0	1.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	1.2	.0	.0	.0	.0	1.2	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.9	.0	1.2	.0	.0	.0	.0	.3	.0	.0	2.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.9	.0	1.2	.0	.0	.0	.0	.3	.0	.0	2.3	
2<5	PCP	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	1.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	1.2	
5<10	PCP	1.2	.0	1.7	.6	.0	.3	1.7	4.9	.0	.0	10.5	
	NO PCP	1.7	2.3	5.2	.0	.0	.0	2.9	5.2	.0	.0	17.4	
	TOT %	2.9	2.3	7.0	.6	.0	.3	4.7	10.2	.0	.0	27.9	
10+	PCP	.0	.0	.0	.0	1.2	.0	.0	1.2	.0	.0	2.3	
	NO PCP	7.3	5.5	3.2	4.7	3.5	5.2	14.0	19.5	.0	2.3	65.1	
	TOT %	7.3	5.5	3.2	4.7	4.7	5.2	14.0	20.6	.0	2.3	67.4	
	TOT OBS												86
	TOT PCT	11.0	9.0	11.3	5.2	4.7	6.7	18.6	31.1	.0	2.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	1.2	.0	.0	.0		1.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	1.2	.0	.0	.0	.0	1.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.9	.0	1.2	.0	.0	.0	.0	.3	.0		2.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.9	.0	1.2	.0	.0	.0	.0	.3	.0	.0	2.3	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	1.2	.0	.0	.0	.0	.0	.0	.0		1.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	1.2	
5<10	0-3	.0	1.2	1.2	.0	.0	.0	.0	.0	.0	.0	2.3	
	4-10	1.7	.9	3.8	.6	.0	.3	2.0	3.5	.0		12.8	
	11-21	1.2	.3	2.0	.0	.0	.0	2.6	6.7	.0		12.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	2.9	2.3	7.0	.6	.0	.3	4.7	10.2	.0	.0	27.9	
10+	0-3	1.7	1.5	.0	.0	1.2	.0	2.0	4.1	.0	2.3	12.8	
	4-10	4.4	2.9	.9	4.7	3.5	4.9	4.1	9.6	.0		34.9	
	11-21	1.2	1.2	2.3	.0	.0	.3	7.8	7.0	.0		19.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	7.3	5.5	3.2	4.7	4.7	5.2	14.0	20.6	.0	2.3	67.4	
	TOT OBS												86
	TOT PCT	11.0	9.0	11.3	5.2	4.7	6.7	18.6	31.1	.0	2.3	100.0	

DECEMBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1885-1977

AREA 0007 FUNAFUTI ATOLL
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	40.0	20.0	.0	.0	.0	.0	.0	60.0	40.0	5
06&09	.0	.0	.0	.0	40.0	.0	.0	.0	.0	.0	40.0	60.0	5
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	3
18&21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	3
TOT	0	0	0	2	3	0	0	0	0	0	5	11	16
PCT	.0	.0	.0	12.5	18.8	.0	.0	.0	.0	.0	31.3	68.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	1.4	.0	2.8	1.4	30.6	63.9	72
06&09	.0	.0	.0	.0	.0	100.0	5
12&15	.0	.0	.0	.0	37.5	62.5	8
18&21	.0	.0	.0	.0	.0	100.0	5
TOT	1	0	2	1	25	61	90
PCT	1.1	.0	2.2	1.1	27.8	67.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	40.0	20.0	40.0	5
06&09	.0	.0	.0	40.0	60.0	5
12&15	.0	.0	.0	.0	100.0	3
18&21	.0	.0	.0	.0	100.0	3
TOT	0	0	2	3	11	16
PCT	.0	.0	12.5	18.8	68.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	2.5	2.5	1.3	.0	5	6.3
85/89	.0	.0	.0	1.3	6.3	8.9	15.2	7.6	31	39.2
80/84	.0	.0	.0	.0	.0	11.4	16.5	11.4	31	39.2
75/79	.0	.0	.0	.0	.0	.0	6.3	8.9	12	15.2
TOTAL	0	0	0	1	7	18	31	22	79	100.0
PCT	.0	.0	.0	1.3	8.9	22.8	39.2	27.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
1.3	1.9	1.9	.0	.0	.0	.0	1.3	.0	.0
4.7	2.5	3.8	1.3	2.5	5.4	11.1	6.8	.0	1.3
4.4	3.5	2.2	3.8	.0	1.9	6.0	14.9	.0	2.5
5.1	.9	.0	.0	.0	.0	1.9	7.3	.0	.0
15.5	8.9	7.9	5.1	2.5	7.3	19.0	30.1	.0	3.8

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	94	93	92	84	77	75	75	84.3	76
06&09	86	85	85	82	79	79	79	81.9	7
12&15	84	83	83	82	81	81	81	82.5	10
18&21	83	82	82	82	81	81	81	82.0	5
TOT	94	93	91	83	77	75	75	83.9	98

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.5	11.8	19.1	35.3	32.4	83	68
06&09	.0	.0	.0	50.0	50.0	.0	78	6
12&15	.0	.0	.0	33.3	66.7	.0	81	6
18&21	.0	.0	.0	66.7	33.3	.0	77	3
TOT	0	1	8	20	32	22	82	83

DECEMBER

PERIOD: (PRIMARY) 1943-1977
(OVER-ALL) 1885-1977

AREA 0007 FUNAFUTI ATOLL
8.5S 179.0E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
6	.0	.0	.0	2.0	1	.0	2.0
5	.0	.0	2.0	7.8	5	.0	9.8
4	.0	.0	2.0	2.0	2	.0	3.9
3	.0	2.0	2.0	.0	2	.0	3.9
2	.0	.0	9.8	.0	5	.0	9.8
1	.0	3.9	3.9	.0	4	.0	7.8
0	.0	9.8	9.8	.0	10	.0	19.6
-1	.0	3.9	2.0	.0	3	.0	5.9
-2	.0	11.8	.0	.0	6	.0	11.8
-3	.0	3.9	.0	.0	3	.0	5.9
-4	.0	9.8	.0	.0	5	.0	9.8
-5	.0	2.0	.0	.0	1	.0	2.0
-6	3.9	.0	.0	.0	2	.0	3.9
-7/-8	3.9	.0	.0	.0	2	.0	3.9
TOTAL	4		16			0	51
		25		6	51		
PCT	7.8	49.0	31.4	11.8	100.0		100.0

PERIOD: (OVER-ALL) 1968-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	9.4	.0	.0	.0	.0	.0	9.4
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	9.4	.0	.0	.0	.0	.0	9.4

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	3.1	.0	.0	.0	.0	.0	3.1
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	12.5	.0	.0	.0	12.5
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.1	.0	12.5	.0	.0	.0	15.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	12.5	.0	.0	.0	12.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	12.5	.0	.0	.0	12.5

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	12.5	.0	.0	.0	.0	12.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	12.5	.0	.0	.0	.0	12.5

PERIOD: (OVER-ALL) 1963-1977 DECEMBER AREA 0007 FUNAFUTI ATOLL
8.85 179.0E

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	12.5	.0	.0	.0	.0	12.5
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	12.5	.0	.0	.0	.0	12.5

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	21.9	.0	.0	.0	.0	21.9
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	9.4	.0	.0	.0	9.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	21.9	9.4	.0	.0	.0	31.3

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	3.1	.0	.0	.0	.0	3.1	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	3.1	.0	.0	.0	3.1	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	3.1	3.1	.0	.0	.0	6.3	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	22.2	.0	.0	.0	.0	.0	22.2	
1-2	.0	33.3	.0	.0	.0	.0	33.3	
3-4	.0	.0	11.1	.0	.0	.0	11.1	
5-6	.0	11.1	.0	.0	.0	.0	11.1	
7	.0	.0	22.2	.0	.0	.0	22.2	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	22.2	44.4	33.3	.0	.0	.0	100.0	9

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	6.7	13.3	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	2
6-7	.0	.0	6.7	.0	.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
8-9	.0	.0	.0	6.7	13.3	.0	.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	8
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	13.3	.0	.0	6.7	6.7	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	4
TOTAL	3	2	2	2	3	1	1	0	1	0	0	0	0	0	0	0	0	0	0	15	5
PCT	20.0	13.3	13.3	13.3	20.0	6.7	6.7	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1896-1977
(OVER-ALL) 1873-1977

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	4.7	.5	.9	.0	.0	.0	.0	5.9	2.1	.0	.0	.0	.4		.0	91.6
NE	5.3	3.7	1.3	.0	.0	.0	.0	10.1	1.5	.0	.0	.0	.7		.0	87.7
E	3.9	4.7	1.1	.0	.0	.0	.0	9.7	.2	.4	.0	.0	.0		.0	90.0
SE	6.6	6.6	.0	.0	.0	.0	.0	13.2	3.4	.9	.0	.0	.0		.0	83.2
S	3.3	8.1	.0	.0	.0	.0	.0	11.4	7.7	.0	.0	.0	.0		.0	64.2
SW	6.4	.0	.4	.0	.0	.0	.0	6.7	.0	.0	.0	.0	.0		.0	76.6
W	7.4	3.0	8.7	.0	.0	.0	.0	21.1	.0	.0	.0	.0	.0		.0	45.5
NW	10.5	18.6	1.6	.0	.0	.0	.0	30.3	1.0	1.1	.0	.0	.0		.0	50.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	50.0
TOT PCT	5.8	4.9	1.3	.0	.0	.0	.0	11.8	1.9	.6	.0	.0	.3		.0	85.8
TOT OBS:	767															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	5.9	3.6	1.4	.0	.0	.0	.0	10.7	1.8	.0	.0	.0	.3		.0	87.5
06&09	.9	11.8	.0	.0	.0	.0	.0	12.7	2.3	.0	.0	.0	.0		.0	85.0
12&15	10.0	4.5	.0	.0	.0	.0	.0	14.5	1.9	4.4	.0	.0	.0		.0	81.3
18&21	.0	12.8	1.2	.0	.0	.0	.0	13.8	5.4	.0	.0	.0	.0		.0	72.5
TOT PCT	5.7	4.8	1.2	.0	.0	.0	.0	11.6	1.9	.6	.0	.0	.2		.0	86.0
TOT OBS:	780															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	3.4	3.5	2.7	.3	.0	.0		9.9	9.0	9.8	.0	8.2	12.5	5.0	4.2	8.2	1.4
NE	3.7	10.3	2.4	.1	.0	.0		16.3	7.5	17.2	10.4	8.9	4.2	15.5	10.4	14.6	9.6
E	4.2	17.3	11.8	.2	.0	.0		33.6	8.5	34.2	18.8	40.8	8.3	28.6	11.5	26.2	31.2
SE	1.4	8.1	7.2	.5	.0	.0		17.3	9.5	15.3	4.2	7.4	8.3	34.9	15.6	29.7	11.8
S	.8	2.4	.2	.0	.0	.0		3.4	5.9	3.1	8.3	10.3	.0	1.0	8.3	.0	12.5
SW	.6	1.4	.4	.1	.0	.0		2.5	5.2	2.8	.0	9.0	8.3	.0	.0	.0	.0
W	.5	2.2	1.5	.1	.0	.0		4.3	6.2	4.4	.0	1.4	8.3	2.4	.0	6.3	.0
NW	1.8	5.4	2.9	.5	.0	.0		10.6	7.4	11.6	8.3	13.9	8.3	6.3	.0	12.5	4.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.0							2.0	.0	1.6	.0	.0	.0	6.1	.0	2.5	.0
TOT OBS							881		8.6	650	6	51	9	94	8	48	15
TOT PCT	18.5	50.7	29.0	1.8	.0	.0		100.0		100.0	50.0	100.0	58.3	100.0	50.0	100.0	66.7

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	5.1	3.7	.9	.2	.0		9.9	9.0	9.7	13.9	6.1	6.7
NE	8.8	7.1	.5	.0	.0		16.3	7.5	17.1	9.8	15.5	10.2
E	13.0	17.4	3.1	.0	.0		33.6	8.5	34.2	33.7	27.8	32.4
SE	5.7	8.2	3.3	.1	.0		17.3	9.5	15.1	8.7	35.5	23.7
S	1.6	1.8	.0	.0	.0		3.4	5.9	3.5	8.6	2.0	4.4
SW	1.7	.6	.2	.0	.0		2.5	5.2	2.8	7.6	.0	.0
W	1.1	2.5	.8	.0	.0		4.3	6.2	4.4	3.5	2.4	5.6
NW	4.6	4.3	1.5	.2	.0		10.6	7.4	11.5	14.1	5.0	15.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.0						2.0	.0	1.6	.0	5.8	1.9
TOT OBS						881		8.6	656	40	102	63
TOT PCT	43.6	45.6	10.3	.5	.0		100.0		100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.6	19.6	50.9	26.5	1.4	.0	.0	8.2	100.0	636
06&09	.0	7.7	44.3	48.0	.0	.0	.0	10.3	100.0	60
12&15	5.8	7.9	44.0	39.4	2.8	.0	.0	10.1	100.0	102
18&21	1.9	4.7	59.9	31.4	2.2	.0	.0	9.8	100.0	63
TOT								8.6		881
PCT	2.0	16.5	50.7	29.0	1.8	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.6	1.8	2.8	5.0		4.7
NE	4.5	3.8	6.1	1.7		4.1
E	10.0	13.1	5.4	3.7		3.7
SE	5.0	5.1	5.8	5.5		3.9
S	1.1	.0	3.1	.8		3.2
SW	.0	.6	.2	.0		.8
W	.0	.0	1.9	1.8		2.3
NW	.0	.7	2.4	6.1		4.1
VAR	.0	.0	.0	.0		.0
CALM	.5	.0	.8	.0		.7
TOT OBS					173	4.9
TOT PCT	21.7	25.1	28.6	24.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	1.3	.0	1.3	.0	1.9	2.1	.0	.0	.0	.0	3.7	
NE	.0	.1	.0	.9	1.0	1.4	.0	.0	.0	.0	12.7	
E	1.8	.3	.0	2.0	1.2	.6	.0	.0	.0	.0	26.2	
SE	.3	.0	.3	2.4	4.1	1.4	.4	.0	.0	.0	12.4	
S	.0	.0	.3	.0	.5	.4	.0	.0	.0	.0	3.7	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	
W	.0	.0	.0	.6	.5	.0	.0	.0	.0	.0	2.7	
NW	.9	.0	.6	.0	3.4	.0	.0	.0	.0	.0	4.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	
TOT OBS												173
TOT PCT	4.2	.4	2.8	5.9	12.6	5.9	.4	.0	.0	.0	67.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) • OR >10	• OR >5	• OR >2	• OR >1	• OR >1/2	• OR >1/4	• OR >5OYD	• OR >0
• OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
• OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
• OR >3500	.4	.8	.8	.8	.8	.8	.8	.8
• OR >2000	5.7	6.5	6.5	6.5	6.5	6.5	6.5	6.5
• OR >1000	13.8	16.4	18.1	18.7	18.7	18.7	18.7	18.7
• OR >600	18.0	22.8	24.5	25.0	25.0	25.0	25.0	25.0
• OR >300	19.6	25.4	27.1	27.7	27.7	27.7	27.7	27.7
• OR >150	19.6	25.4	27.6	28.1	28.1	28.1	28.1	28.1
• OR > 0	22.5	28.8	31.5	32.0	32.0	32.0	32.0	32.0

TOTAL NUMBER OF OBS: 182

PCT FREQ NH <5/8: 68.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
2.7	10.3	28.3	16.3	9.5	6.5	11.3	3.9	10.2	1.0	212

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
1<2	PCP	.1	.0	.1	.3	.0	.1	.4	.1	.0	.0	1.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.1	.0	.1	.3	.0	.1	.4	.1	.0	.0	1.1	
2<5	PCP	*	.1	.1	.1	.0	.1	.1	.4	.0	.0	1.0	
	NO PCP	.0	.2	.2	.2	.1	.1	.0	.0	.0	.0	.8	
	TOT %	*	.3	.4	.3	.1	.2	.1	.4	.0	.0	1.8	
5<10	PCP	.4	.6	1.5	.8	.1	.1	.5	.9	.0	.0	4.9	
	NO PCP	.6	1.9	4.3	4.7	.4	.1	.3	.8	.0	.0	13.2	
	TOT %	1.0	2.5	5.7	5.5	.5	.2	.9	1.8	.0	.0	18.2	
10+	PCP	.4	.4	1.2	.9	.5	.0	.2	.8	.0	.0	4.4	
	NO PCP	7.5	14.3	26.1	9.8	2.1	2.0	2.9	7.7	.0	1.6	74.3	
	TOT %	8.0	14.9	27.4	10.7	2.6	2.0	3.0	8.6	.0	1.6	78.7	
	TOT OBS												784
	TOT PCT	9.1	17.7	33.6	16.8	3.2	2.6	4.4	10.9	.0	1.6	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.1	.0	.0	.0		.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.3	.0	.0	.0	.3	.0		.6	
	11-21	.1	.0	.1	.0	.0	.1	.0	.1	.0		.4	
	22+	.0	.0	.0	.0	.0	.0	.2	.0	.0		.2	
	TOT %	.1	.0	.1	.3	.0	.1	.4	.1	.0	.0	1.1	
2<5	0-3	.0	.0	.0	*	.1	.1	.0	.0	.0	.0	.3	
	4-10	.0	.2	.0	.1	.0	.0	.0	.0	.0		.4	
	11-21	*	.1	.4	.1	.0	.1	.1	.3	.0		1.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.1	.0		.1	
	TOT %	*	.3	.4	.3	.1	.2	.1	.4	.0	.0	1.8	
5<10	0-3	.0	.3	.4	.1	.1	*	.0	.0	.0	.0	1.0	
	4-10	.4	1.7	2.6	3.0	.4	.1	.4	.8	.0		9.3	
	11-21	.6	.4	2.6	2.1	.0	.1	.3	.8	.0		7.0	
	22+	.0	.1	.1	.5	.0	.0	.0	.1	.0		.8	
	TOT %	1.0	2.5	5.7	5.6	.5	.2	.9	1.8	.0	.0	18.2	
10+	0-3	2.7	3.8	4.0	1.3	.3	.3	.3	1.7	.0	1.7	16.3	
	4-10	3.4	9.0	15.2	5.1	2.0	1.3	1.5	4.6	.0		42.2	
	11-21	1.8	2.0	8.3	4.0	.2	*	1.0	1.9	.0		19.3	
	22+	.2	.0	.1	.1	.0	.1	.0	.3	.0		.8	
	TOT %	8.1	14.8	27.6	10.5	2.6	1.9	3.0	8.5	.0	1.7	78.7	
	TOT OBS												773
	TOT PCT	9.2	17.6	33.8	16.8	3.2	2.6	4.4	10.8	.0	1.7	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00Z03	5.9	.0	2.1	7.6	6.9	4.3	1.2	.0	.0	.0	28.0	72.0	72
06Z09	2.1	.0	1.0	4.4	13.3	5.8	.0	.0	.0	.0	26.7	73.3	45
12Z15	4.2	1.0	1.0	2.0	8.9	4.7	1.0	.0	.0	.0	22.9	77.1	41
18Z21	.0	.0	2.8	5.8	10.6	3.8	.0	.0	.0	.0	23.0	68.7	44
TOT PCT	3.4	.3	2.5	5.7	11.1	5.3	.7	.0	.0	.0	29.3	70.7	202 100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00Z03	.1	.2	.9	1.7	15.7	81.4	579
06Z09	.0	.0	.0	1.2	14.9	83.9	55
12Z15	.0	.0	.0	3.5	27.5	69.0	92
18Z21	.0	.0	4.2	1.2	14.8	71.5	60
TOT PCT	.1	.1	1.1	1.8	17.9	79.0	786 100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00Z03	5.9	8.6	18.7	13.7	67.5	61
06Z09	2.1	3.1	9.2	18.8	71.9	44
12Z15	4.2	6.5	8.8	15.4	75.8	38
18Z21	.0	2.8	16.7	8.3	68.7	39
TOT PCT	3.9	7.0	15.6	16.4	68.0	182 100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
100/104	.0	.0	.0	.0	.1	.0	.0	.0		.1
95/99	.0	.0	.0	.1	.6	.5	.3	.0		1.6
90/94	.0	.0	.1	.2	2.4	4.0	4.0	.9		11.5
85/89	.0	.0	.0	.1	3.7	13.9	12.2	3.6		33.4
80/84	.0	.0	.0	.0	1.2	14.1	24.4	7.2		46.9
75/79	.0	.0	.0	.0	.0	.2	2.2	3.9		6.4
70/74	.0	.0	.0	.0	.0	.0	.0	.1		.1
TOTAL PCT	.0	.0	.1	.4	7.9	32.7	43.2	15.7	643	100.0

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
.2	.6	.6	*	.0	.0	.0	*	.0	.2
1.1	3.3	4.4	.7	.4	.0	.1	1.4	.0	.2
3.3	6.3	11.7	4.5	1.3	1.1	1.8	2.8	.0	.6
4.0	5.7	17.4	10.1	1.1	.7	2.1	5.3	.0	.6
.9	.7	.9	.4	.7	.3	.7	1.7	.0	.2
.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
9.7	16.6	35.0	15.6	3.3	2.1	4.6	11.2	.0	1.8

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00Z03	101	92	91	85	80	77	68	85.2	655
06Z09	89	84	84	82	81	81	78	82.5	59
12Z15	86	82	82	81	79	79	70	81.7	105
18Z21	88	82	82	81	80	80	77	81.5	66
TOT	101	92	91	84	79	76	68	84.4	885

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00Z03	.0	.6	10.0	33.4	38.3	17.8	81	512
06Z09	.0	.0	.0	43.3	52.9	3.8	81	42
12Z15	.0	.0	4.0	16.5	61.0	18.5	82	48
18Z21	.0	.0	.0	31.5	62.9	5.6	81	54
TOT	0	4	58	214	269	111	81	656

ANNUAL

PERIOD: (PRIMARY) 1896-1977
(OVER-ALL) 1873-1977

AREA 0007 FUNAFUTI ATOLL
8.5S 179.0E

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
11/13	.0	.0	.0	.0	.7	.0	2	.0	.6
7/8	.0	.0	.0	.3	.7	.5	7	.0	1.5
6	.0	.0	.0	.8	2.1	.0	11	.0	2.9
5	.0	.0	.4	.5	1.7	.0	11	.0	2.6
4	.0	.0	.2	2.0	.5	.0	11	.0	2.7
3	.0	.0	.5	.8	1.8	.0	13	.0	3.1
2	.0	.0	1.7	5.2	.2	.0	34	.0	7.1
1	.0	.4	3.6	4.5	.0	.0	43	.0	8.5
0	.0	.0	14.6	5.5	.0	.0	93	.0	20.2
-1	.0	.3	8.7	3.0	.0	.0	55	.0	12.0
-2	.0	.7	12.1	.3	.0	.0	58	.0	13.0
-3	.0	1.1	5.9	.2	.0	.0	31	.0	7.2
-4	.0	4.8	4.3	.2	.0	.0	37	.0	9.3
-5	.0	2.0	1.4	.0	.0	.0	15	.0	3.4
-6	.0	1.4	.4	.0	.0	.0	8	.0	1.8
-7/-8	.4	2.6	.3	.0	.0	.0	14	.0	3.2
-9/-10	.2	.2	.0	.0	.0	.0	2	.0	.4
-11/-13	.2	.4	.0	.0	.0	.0	2	.0	.6
TOTAL							447		
PCT	.7	13.9	54.1	23.3	7.6	.5	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	.0	.0	.0	.0	.0	.8
1-2	2.1	4.3	2.1	.0	.0	.0	8.6
3-4	.0	.4	.3	.8	.0	.0	1.5
5-6	.0	.0	.4	.0	.0	.0	.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.9	4.8	2.9	.8	.0	.0	11.4

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	1.4	.0	.0	.0	.0	1.6
1-2	.1	4.2	.4	.0	.0	.0	4.8
3-4	.0	1.7	.9	.0	.0	.0	2.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	1.0	.0	.0	.0	1.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	7.3	2.4	.0	.0	.0	10.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	2.2	.0	.0	.0	.0	2.6
1-2	.3	5.1	6.6	.0	.0	.0	12.0
3-4	2.1	5.4	6.5	.0	.0	.0	13.9
5-6	.0	1.3	4.8	.0	.0	.0	6.0
7	.0	.4	1.4	.0	.0	.0	1.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.8	14.3	19.3	.0	.0	.0	36.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	2.2	.0	.0	.0	.0	2.9
1-2	.0	3.2	2.5	.0	.0	.0	5.7
3-4	.6	1.6	5.9	.8	.0	.0	8.9
5-6	.0	1.5	1.8	.0	.0	.0	3.2
7	.0	.1	.6	.0	.0	.0	.7
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	8.6	10.8	.8	.0	.0	21.4

PERIOD: (OVER-ALL) 1968-1977

ANNUAL

TABLE 18 (CONT)

AREA 0007 FUNAFUTI ATOLL
8.5S 179.0E

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.8	.0	.0	.0	.0	2.8
1-2	.0	1.6	.4	.0	.0	.0	2.1
3-4	.0	.0	.6	.0	.0	.0	.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.4	1.0	.0	.0	.0	5.4

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.2	.0	.0	.0	.0	.2
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.2	.0	.0	.0	.0	.2

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	5.2	.0	.0	.0	.0	5.2
3-4	.0	1.1	.8	.0	.0	.0	1.9
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.8	.0	.0	.0	.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.3	1.5	.0	.0	.0	7.8

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.8	.0	.0	.0	.8
1-2	.7	1.9	.0	.0	.0	.0	2.6
3-4	.0	.7	.8	.8	.0	.0	2.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.3	.0	.0	.0	.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	2.6	1.8	.8	.0	.0	5.9

HGT	TOTAL PCT
<1	.8
1-2	2.6
3-4	2.3
5-6	.0
7	.3
8-9	.0
10-11	.0
12	.0
13-16	.0
17-19	.0
20-22	.0
23-25	.0
26-32	.0
33-40	.0
41-48	.0
49-60	.0
61-70	.0
71-86	.0
87+	.0
TOT PCT	98.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.0	8.7	.8	.0	.0	.0	14.4	
1-2	3.3	25.0	12.2	.0	.0	.0	40.5	
3-4	2.6	10.8	15.5	2.3	.0	.0	31.2	
5-6	.0	2.6	6.9	.0	.0	.0	9.5	
7	.0	.6	3.8	.0	.0	.0	4.4	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								135
TOT PCT	10.9	47.6	39.2	2.3	.0	.0	100.0	

PERIOD: (OVER-ALL) 1949-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.3	6.6	14.9	4.3	1.6	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	45	3
6-7	.0	2.2	5.4	13.1	4.5	5.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35	5
8-9	.0	.7	1.2	5.9	5.2	1.2	.7	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25	6
10-11	.0	1.2	3.1	1.6	2.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	5
12-13	.0	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
>13	.0	.0	.0	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	6
INDET	4.0	1.6	1.9	2.6	2.4	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	3
TOTAL																				169	5
PCT	5.3	12.3	27.3	28.4	17.0	8.0	1.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1896-1977
(OVER-ALL) 1873-1977

AREA 0007 FUNAFUTI ATOLL
8.5S 179.0E

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.2
89/90	4.1	.0	.0	.0	.0	.0	.9	.0	1.8	.0	.0	.0	5	.9
87/88	6.1	2.0	8.3	8.7	12.0	2.9	.9	5.3	3.5	.0	7.5	5.0	24	4.3
85/86	46.9	27.5	41.7	34.8	36.0	41.2	.9	10.5	17.5	38.2	52.5	56.7	163	29.1
83/84	38.8	60.8	37.5	39.8	36.0	38.2	87.9	47.4	47.4	41.2	22.5	31.7	257	45.9
81/82	2.0	7.8	8.3	21.7	12.0	14.7	25.5	28.1	24.6	17.6	15.0	5.0	92	16.4
79/80	.0	2.0	.0	.0	.0	2.9	1.9	8.8	1.8	2.9	2.5	1.7	13	2.3
77/78	.0	.0	.0	.0	4.0	.0	1.9	.0	3.5	.0	.0	.0	5	.9
75/76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
73/74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
71/72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
69/70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
67/68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
65/66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
63/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	49	51	24	23	25	34	106	57	57	34	40	60	560	100.0
MEAN	84.1	84.1	85.0	84.2	84.4	83.9	83.0	83.0	83.2	83.9	84.5	84.6	84.0	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1011	1006	1006	1010	1008		1008	1015	1010	81
FEB	1010		1008		1010		1008		1010	76
MAR	1010	1010	1012	1007	1003	1006	1008		1009	61
APR	1010		1008	1006	1011	1008	1008	1009	1009	55
MAY	1010	1012	1009	1008	1010		1011	1010	1010	27
JUN	1013	1007	1008	1010	1010	1009	1009	1010	1011	38
JUL	1010		1008		1011		1010		1010	40
AUG	1011		1009		1009		1010	1012	1011	50
SEP	1011		1011	1010	1011	1011	1011		1011	67
OCT	1011	1009	1008	995	1014	1002	1010	1008	1011	57
NOV	1009	1006	1007		1009		1009	1010	1009	81
DEC	1009		1007		1009	1011	1006	1009	1009	88
ANN	1010	1008	1008	1007	1010	1008	1009	1010	1010	721
OBS	529	6	50	9	55	8	50	14		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	1000	1000	1004	1008	1009	1012	1019	1022	1023
FEB	995	998	1006	1008	1010	1012	1013	1014	1015
MAR	999	999	1003	1008	1010	1012	1013	1013	1014
APR	999	999	1002	1007	1009	1012	1015	1017	1018
MAY	1002	1002	1008	1009	1010	1011	1012	1013	1014
JUN	1007	1007	1007	1009	1010	1013	1017	1017	1018
JUL	1006	1006	1007	1009	1010	1011	1013	1013	1014
AUG	1006	1006	1008	1009	1010	1012	1015	1018	1019
SEP	1005	1005	1008	1010	1011	1012	1015	1021	1022
OCT	995	995	1002	1010	1011	1012	1015	1018	1019
NOV	1000	1000	1001	1007	1008	1011	1017	1017	1018
DEC	998	998	1003	1006	1009	1011	1013	1015	1020

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	14.8	.0	.0	.0	.0	.0	.0	85.2
NE	.5	4.3	.0	.0	.0	.0	.0	2.7	.0	.0	1.8	.0	.0	.0	.0	95.4
E	.6	4.1	.0	.0	.0	.0	.0	2.7	.0	.0	1.9	.0	.0	.0	.0	95.3
SE	.0	.0	.0	.0	.0	.0	.0	.0	6.3	.0	3.2	.0	.0	.0	.0	90.5
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	100.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	44.4	.0	.0	.0	.0	.0	.0	55.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.9	1.9	.0	.0	.0	.0	.0	2.8	1.4	.0	1.9	.0	.0	.0	.0	93.8
TOT OBS:	211															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	98.1
06&09	1.8	.0	.0	.0	.0	.0	.0	1.8	.0	.0	3.6	.0	.0	.0	.0	94.5
12&15	1.9	5.6	.0	.0	.0	.0	.0	7.4	3.7	.0	.0	.0	.0	.0	.0	88.9
18&21	.0	4.0	.0	.0	.0	.0	.0	2.0	.0	.0	4.0	.0	.0	.0	.0	94.0
TOT PCT	.9	1.9	.0	.0	.0	.0	.0	2.8	1.4	.0	1.9	.0	.0	.0	.0	93.9
TOT OBS:	212															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.3	2.4	1.5	.0	.0	.0		4.1	9.5	5.2	.0	2.8	.0	5.1	.0	3.8	9.4
NE	.3	11.0	12.3	.0	.0	.0		23.6	11.1	25.0	.0	22.6	27.8	20.3	16.7	26.4	31.3
E	.8	25.2	36.9	.0	.3	.0		63.2	11.9	62.9	100.0	63.1	61.1	64.8	83.3	60.1	59.4
SE	.1	2.0	4.8	.0	.1	.0		7.0	12.0	6.9	.0	9.5	11.1	6.4	.0	5.8	.0
S	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.4	.0	.0	.0	.0		.4	4.0	.0	.0	1.6	.0	.0	.0	.0	.0
NW	.1	.8	.0	.0	.0	.0		.9	4.6	.0	.0	.4	.0	1.7	.0	1.9	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.8							.8	.0	.0	.0	.0	.0	1.7	.0	1.9	.0
TOT OBS	6	106	141	0	1	0	254		11.4	58	2	63	9	59	3	52	8
TOT PCT	2.4	41.7	55.5	.0	.4	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.0	2.8	.4	.0	.0		4.1	9.5	5.0	2.4	4.8	4.6
NE	3.1	18.0	2.5	.0	.0		23.6	11.1	24.2	23.3	20.2	27.1
E	6.5	49.4	7.0	.3	.0		63.2	11.9	64.2	62.8	65.7	60.0
SE	1.1	5.4	.4	.1	.0		7.0	12.0	6.7	9.7	6.0	5.0
S	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
W	.4	.0	.0	.0	.0		.4	4.0	.0	1.4	.0	.0
NW	.9	.0	.0	.0	.0		.9	4.6	.0	.3	1.6	1.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.8						.8	.0	.0	.0	1.6	1.7
TOT OBS	95	192	26	1	0	254		11.4	80	72	62	60
TOT PCT	13.8	75.6	10.2	.4	.0		100.0		100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	25.0	75.0	.0	.0	.0	12.7	100.0	60
06&09	.0	4.2	48.6	47.2	.0	.0	.0	10.5	100.0	72
12&15	1.6	.0	58.1	38.7	.0	1.6	.0	10.7	100.0	62
18&21	1.7	1.7	33.3	63.3	.0	.0	.0	11.9	100.0	60
TOT	2	4	106	141	0	1	0	11.4		254
PCT	.8	1.6	41.7	55.5	.0	.4	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.5	1.4	1.2	.4		4.4
NE	7.2	9.7	7.6	.9		3.8
E	28.6	22.5	8.8	1.8		2.8
SE	4.2	2.1	.1	.0		2.0
S	.0	.0	.0	.0		.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.5	.0		6.0
NW	.0	.5	.1	.5		6.0
VAR	.0	.0	.0	.0		.0
CALM	.5	.5	.0	.0		2.0
TOT OBS	78	70	35	7	190	3.1
TOT PCT	41.1	36.8	18.4	3.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.4	.0	.0	.3	.0	.0	.0	2.9	
NE	.5	.0	.1	.9	1.2	.8	.3	.0	.0	.0	21.7	
E	.0	.0	.4	1.8	3.0	.8	.5	.0	.0	.0	55.1	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	
TOT OBS	1	0	1	6	10	3	2	0	0	0	167	190
TOT PCT	.5	.0	.5	3.2	5.3	1.6	1.1	.0	.0	.0	87.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >9500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
* OR >2000	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
* OR >1000	7.3	7.9	7.9	7.9	7.9	7.9	7.9	7.9
* OR >600	9.9	11.0	11.0	11.0	11.0	11.0	11.0	11.0
* OR >300	9.9	11.5	11.5	11.5	11.5	11.5	11.5	11.5
* OR >150	9.9	11.5	11.5	11.5	11.5	11.5	11.5	11.5
* OR > 0	9.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0
TOTAL	19	23	23	23	23	23	23	23

TOTAL NUMBER OF OBS: 191 PCT FREQ NH <5/8: 88.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.9	20.6	28.9	27.9	6.9	4.9	3.4	1.0	2.0	.5	204

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	
	TOT %	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	
5<10	PCP	.0	.7	.7	.0	.0	.0	.0	.0	.0	.0	1.4	
	NO PCP	.0	.9	2.6	.2	.0	.0	.0	.0	.0	.0	3.8	
	TOT %	.0	1.7	3.3	.2	.0	.0	.0	.0	.0	.0	5.2	
10+	PCP	.0	.0	.9	.0	.0	.0	.5	.0	.0	.0	1.4	
	NO PCP	3.2	24.3	56.2	7.2	.0	.0	.0	1.1	.0	.9	92.9	
	TOT %	3.2	24.3	57.1	7.2	.0	.0	.5	1.1	.0	.9	94.3	
	TOT OBS												211
	TOT PCT	3.2	25.9	60.9	7.5	.0	.0	.5	1.1	.0	.9	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.5	.0	.0	.0	.0	.0	.0		.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	1.2	.7	.0	.0	.0	.0	.0	.0		1.9	
	11-21	.0	.5	2.6	.2	.0	.0	.0	.0	.0		3.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	1.7	3.3	.2	.0	.0	.0	.0	.0	.0	5.2	
10+	0-3	.4	.2	.6	.1	.0	.0	.0	.1	.0	.9	2.4	
	4-10	1.5	10.2	22.5	1.8	.0	.0	.5	.9	.0		37.4	
	11-21	1.3	13.9	33.6	5.2	.0	.0	.0	.0	.0		54.0	
	22+	.0	.0	.4	.1	.0	.0	.0	.0	.0		.5	
	TOT %	3.2	24.3	57.1	7.2	.0	.0	.5	1.1	.0	.9	94.3	
	TOT OBS												211
	TOT PCT	3.2	25.9	60.9	7.5	.0	.0	.5	1.1	.0	.9	100.0	

JANUARY

PERIOD: (PRIMARY) 1955-1978
(OVER-ALL) 1891-1978

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	1.9	9.4	.0	.0	.0	.0	.0	11.3	88.7	53
06&09	.0	.0	.0	.0	5.8	1.9	1.9	.0	.0	.0	9.6	90.4	52
12&15	2.0	.0	2.0	5.9	3.9	3.9	2.0	.0	.0	.0	19.6	80.4	51
18&21	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	4.3	95.7	47
TOT	1	0	1	6	10	3	2	0	0	0	23	180	203
PCT	.5	.0	.5	3.0	4.9	1.5	1.0	.0	.0	.0	11.3	88.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	1.9	1.9	96.2	53
06&09	.0	.0	.0	.0	5.5	94.5	55
12&15	.0	.0	.0	.0	7.4	92.6	54
18&21	.0	.0	.0	.0	6.0	94.0	50
TOT	0	0	0	1	11	200	212
PCT	.0	.0	.0	.5	5.2	94.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <500YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	3.9	9.8	86.3	51
06&09	.0	.0	.0	10.9	89.1	46
12&15	2.0	4.1	10.2	10.2	79.6	49
18&21	.0	.0	4.4	.0	95.6	45
TOT	1	2	9	15	167	191
PCT	.5	1.0	4.7	7.9	87.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.9	.4	.0	.0	3	1.3
85/89	.0	.0	.0	.0	8.1	6.3	.4	.9	35	15.7
80/84	.0	.0	.0	.4	7.6	31.8	13.0	3.1	125	56.1
75/79	.0	.0	.0	.0	1.3	13.5	9.0	2.7	59	26.5
70/74	.0	.0	.0	.0	.0	.0	.0	.4	1	.4
TOTAL	0	0	0	1	40	116	50	16	223	100.0
PCT	.0	.0	.0	.4	17.9	52.0	22.4	7.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.4	.9	.0	.0	.0	.0	.0	.0	.0
.4	4.6	9.5	1.1	.0	.0	.0	.0	.0	.0
2.4	10.8	36.2	5.3	.0	.0	.0	.6	.0	.9
1.0	6.7	16.8	1.0	.0	.0	.4	.4	.0	.0
.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
3.8	22.5	63.9	7.4	.0	.0	.4	1.0	.0	.9

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	93	92	90	85	80	78	78	84.8	59
06&09	84	83	83	80	77	71	71	79.9	72
12&15	82	81	81	79	76	73	73	78.7	63
18&21	89	88	86	82	79	77	77	82.3	59
TOT	93	90	87	81	77	73	71	81.3	253

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	.0	41.1	50.0	3.6	5.4	71	56
06&09	.0	.0	6.6	54.1	32.8	6.6	79	61
12&15	.0	.0	.0	49.1	38.6	12.3	81	57
18&21	.0	2.0	26.0	54.0	14.0	4.0	75	50
TOT	0	1	40	116	51	16	77	224

PERIOD: (PRIMARY) 1955-1978
(OVER-ALL) 1891-1978

AREA 0008 MARQUESAS ISLANDS
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.0	.5	.0	1	.0	.5
11/13	.0	.0	.0	.0	.0	.5	.0	1	.0	.5
9/10	.0	.0	.0	.0	.0	.0	.5	1	.0	.5
7/8	.0	.0	.0	.5	.5	.0	.0	2	.0	1.1
6	.0	.0	.0	.5	3.3	.5	.0	8	.0	4.4
5	.0	.0	.0	.0	1.1	1.6	.0	5	.0	2.7
4	.0	.0	.0	9.3	4.9	.0	.0	15	.5	7.7
3	.0	.0	.0	1.6	1.1	.0	.0	5	.5	2.2
2	.0	.0	.5	4.4	1.6	.0	.0	12	.0	6.6
1	.0	.0	2.2	7.1	.5	.0	.0	18	.0	9.9
0	.0	.0	7.1	8.2	.0	.0	.0	28	.5	14.8
-1	.0	.0	8.8	11.0	.0	.0	.0	36	.5	19.2
-2	.0	.0	6.6	2.2	.0	.0	.0	16	.0	8.8
-3	.0	.0	5.5	.5	.0	.0	.0	11	.0	6.0
-4	.5	.5	4.9	1.1	.0	.0	.0	13	.0	7.1
-5	.0	.5	1.1	.5	.0	.0	.0	4	.0	2.2
-6	.0	1.1	1.1	.0	.0	.0	.0	4	.0	2.2
-7/-8	.0	.0	.0	1.1	.0	.0	.0	2	.0	1.1
TOTAL	1	4	69	77	24	6	1	182	4	178
PCT	.5	2.2	37.9	42.4	13.2	3.2	.5	100.0	2.2	97.8

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.6	.0	1.5	.0	.0	.0	2.1
3-4	.0	1.5	.0	.0	.0	.0	1.5
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	1.5	1.5	.0	.0	.0	3.6

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.2	.0	.0	.0	.0	.2
1-2	.0	3.0	1.9	.0	.0	.0	4.9
3-4	.0	7.0	4.0	.0	.0	.0	11.0
5-6	.0	.2	6.4	.0	.0	.0	6.6
7	.0	.0	1.3	.0	.0	.0	1.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.8	.0	.0	.0	.8
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.4	14.4	.0	.0	.0	24.8

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.5	.0	.0	.0	.0	2.1
1-2	.0	10.4	8.3	.0	.0	.0	18.6
3-4	.0	10.8	11.4	.0	.0	.0	22.2
5-6	.0	1.5	10.4	.0	.0	.0	11.9
7	.0	.0	6.4	.0	.0	.0	6.4
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	24.2	36.4	.0	.0	.0	61.2

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.0	.0	.0	.0	.0	.2
1-2	.0	1.1	2.8	.0	.0	.0	3.8
3-4	.0	1.1	3.2	.0	.0	.0	4.2
5-6	.0	.0	.2	.0	.0	.0	.2
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	2.1	6.1	.0	.0	.0	8.5

PERIOD: (OVER-ALL) 1963-1978

JANUARY

TABLE 18 (CONT)

AREA 0008 MARQUESAS ISLANDS
9.7S 138.8W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.2	1.7	.0	.0	.0	.0	1.9	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.2	1.7	.0	.0	.0	.0	1.9	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.8	1.7	.0	.0	.0	.0	2.5	
1-2	.8	10.1	14.4	.0	.0	.0	31.4	
3-4	.0	20.3	18.6	.0	.0	.0	39.0	
5-6	.0	1.7	16.9	.0	.0	.0	18.4	
7	.0	.0	7.6	.0	.0	.0	7.6	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.8	.0	.0	.0	.8	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.7	33.8	58.5	.0	.0	.0	100.0	118

PERIOD: (OVER-ALL) 1951-1978

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.6	8.5	15.8	10.3	2.4	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	64	4
6-7	.0	1.2	3.6	13.9	13.3	2.4	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	39	6
8-9	.0	.0	2.4	7.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	5
10-11	.0	2.4	.0	1.2	2.4	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	5
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.6	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	8
INDET	.6	.6	3.0	1.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	4
TOTAL	2	21	41	57	32	8	3	1	0	0	0	0	0	0	0	0	0	0	0	165	5
PCT	1.2	12.7	24.8	34.5	19.4	4.8	1.8	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

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PERIOD: (PRIMARY) 1957-1978
(OVER-ALL) 1927-1978

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	.0	30.8	.0	.0	.0	.0	.0	30.8	.0	.0	.0	.0	.0	.0	.0	69.2
NE	.0	5.8	.0	.0	.0	.0	.0	5.8	2.9	2.9	2.9	.0	.0	.0	.0	85.5
E	.0	.0	.0	.0	.0	.0	.0	.0	.9	.9	.0	.0	.0	.0	.0	98.1
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.8	.0	.0	.0	.0	.0	1.8	1.2	1.2	.6	.0	.0	.0	.0	95.2
TOT OBS:	166															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00&03	.0	4.7	.0	.0	.0	.0	.0	4.7	2.3	.0	.0	.0	.0	.0	.0	93.0
06&09	.0	.0	.0	.0	.0	.0	.0	.0	2.2	2.2	2.2	.0	.0	.0	.0	93.3
12&15	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	.0	.0	.0	.0	.0	97.7
18&21	.0	2.8	.0	.0	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	97.2
TOT PCT	.0	1.8	.0	.0	.0	.0	.0	1.8	1.2	1.2	.6	.0	.0	.0	.0	95.2
TOT OBS:	168															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	2.9	.5	.0	.0	.0		3.4	10.0	3.8	.0	.0	.0	9.7	.0	1.9	.0
NE	.0	10.7	9.5	.5	.0	.0		20.7	11.3	23.9	30.0	18.6	45.8	13.1	6.3	12.8	58.3
E	.5	21.1	40.3	1.4	.0	.0		63.3	12.6	69.6	25.0	59.3	47.9	62.5	87.5	70.9	41.7
SE	.5	4.5	5.8	.1	.0	.0		11.0	11.7	2.7	25.0	15.1	6.3	14.8	6.3	14.1	.0
S	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.4	.0	.0	.0		.4	20.0	.0	.0	1.7	.0	.0	.0	.0	.0
NW	.0	1.1	.1	.0	.0	.0		1.3	10.1	.0	.0	5.2	.0	.0	.0	.6	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	2	80	112	4	0	0	198		12.1	46	4	43	12	44	4	39	6
TOT PCT	1.0	40.4	56.6	2.0	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	3.4	.0	.0	.0		3.4	10.0	3.3	.0	8.9	1.7
NE	3.2	15.0	2.5	.0	.0		20.7	11.3	26.0	24.5	12.5	18.9
E	2.8	50.1	10.4	.0	.0		63.3	12.6	66.0	56.8	64.6	66.7
SE	1.6	8.1	1.3	.0	.0		11.0	11.7	4.5	13.2	14.1	12.2
S	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
W	.0	.0	.4	.0	.0		.4	20.0	.0	1.4	.0	.0
NW	.0	1.1	.1	.0	.0		1.3	10.1	.0	4.1	.0	.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0						.0	.0	.0	.0	.0	.0
TOT OBS	15	154	29	0	0	198		12.1	50	55	48	45
TOT PCT	7.6	77.8	14.6	.0	.0		100.0		100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&09	.0	2.0	30.0	66.0	2.0	.0	.0	13.1	100.0	50
06&09	.0	.0	47.3	50.9	1.8	.0	.0	11.3	100.0	55
12&15	.0	2.1	45.8	47.9	4.2	.0	.0	11.9	100.0	48
18&21	.0	.0	37.8	62.2	.0	.0	.0	12.5	100.0	45
TOT	0	2	80	112	4	0	0	12.1		198
PCT	.0	1.0	40.4	56.6	2.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.5	1.0	.7		6.2
NE	3.7	6.4	5.9	1.4		4.0
E	29.4	28.0	8.3	.0		2.8
SE	7.4	4.2	1.7	.0		2.8
S	.0	.0	.0	.0		.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.5		8.0
NW	.0	.7	.0	.2		4.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	60	59	25	4	148	3.1
TOT PCT	40.5	39.9	16.9	2.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.7	.0	.0	.7	.0	.0	.0	.8	
NE	.0	.0	.0	.2	2.9	2.4	.0	.0	.0	.0	12.0	
E	.0	.0	.0	.5	1.9	1.7	.0	.0	.0	.0	61.7	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.3	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	0	2	7	6	1	0	0	0	132	148
TOT PCT	.0	.0	.0	1.4	4.7	4.1	.7	.0	.0	.0	89.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.7	.7	.7	.7	.7	.7	.7	.7
* OR >2000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
* OR >1000	7.3	8.7	9.3	9.3	9.3	9.3	9.3	9.3
* OR >600	8.7	10.0	10.7	10.7	10.7	10.7	10.7	10.7
* OR >300	8.7	10.0	10.7	10.7	10.7	10.7	10.7	10.7
* OR >150	8.7	10.0	10.7	10.7	10.7	10.7	10.7	10.7
* OR > 0	8.7	10.0	10.7	10.7	10.7	10.7	10.7	10.7
TOTAL	13	15	16	16	16	16	16	16

TOTAL NUMBER OF OBS: 150 PCT FREQ NH <5/8: 89.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
1.9	19.9	29.5	24.4	13.5	6.4	2.6	.6	1.3	.0	156

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.2	.5	.0	.0	.0	.0	.0	.0	.0	.6	
	TOT %	.0	.2	.5	.0	.0	.0	.0	.0	.0	.0	.6	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.2	.5	.0	.0	.0	.0	.0	.0	.0	.6	
	TOT %	.0	.2	.5	.0	.0	.0	.0	.0	.0	.0	.6	
5<10	PCP	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.6	
	NO PCP	.0	3.9	1.5	.0	.0	.0	.0	.0	.0	.0	5.4	
	TOT %	.0	4.5	1.5	.0	.0	.0	.0	.0	.0	.0	6.0	
10+	PCP	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	1.2	
	NO PCP	1.4	15.4	61.4	12.2	.0	.0	.5	.8	.0	.0	91.6	
	TOT %	2.0	16.0	61.4	12.2	.0	.0	.5	.8	.0	.0	92.8	
	TOT OBS												166
	TOT PCT	2.0	20.8	63.9	12.2	.0	.0	.5	.8	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.2	.5	.0	.0	.0	.0	.0	.0		.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.2	.5	.0	.0	.0	.0	.0	.0	.0	.6	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.2	.5	.0	.0	.0	.0	.0	.0		.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.2	.5	.0	.0	.0	.0	.0	.0	.0	.6	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	1.2	.0	.0	.0	.0	.0	.0	.0		1.2	
	11-21	.0	2.7	.9	.0	.0	.0	.0	.0	.0		3.6	
	22+	.0	.6	.6	.0	.0	.0	.0	.0	.0		1.2	
	TOT %	.0	4.5	1.5	.0	.0	.0	.0	.0	.0	.0	6.0	
10+	0-3	.0	.0	.6	.6	.0	.0	.0	.0	.0	.0	1.2	
	4-10	1.4	8.6	21.5	5.3	.0	.0	.0	.6	.0		37.3	
	11-21	.6	7.4	38.3	6.2	.0	.0	.5	.2	.0		53.0	
	22+	.0	.0	1.1	.2	.0	.0	.0	.0	.0		1.2	
	TOT %	2.0	16.0	61.4	12.2	.0	.0	.5	.8	.0	.0	92.8	
	TOT OBS												166
	TOT PCT	2.0	20.8	63.9	12.2	.0	.0	.5	.8	.0	.0	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	2.3	14.0	.0	.0	.0	.0	.0	16.3	83.7	43
06&09	.0	.0	.0	.0	.0	10.8	.0	.0	.0	.0	10.8	89.2	37
12&15	.0	.0	.0	.0	2.4	2.4	2.4	.0	.0	.0	7.1	92.9	42
18&21	.0	.0	.0	3.0	.0	3.0	.0	.0	.0	.0	6.1	93.9	33
TOT	0	0	0	2	7	6	1	0	0	0	16	139	155
PCT	.0	.0	.0	1.3	4.5	3.9	.6	.0	.0	.0	10.3	89.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	2.3	7.0	90.7	43
06&09	.0	.0	.0	.0	11.1	88.9	45
12&15	.0	.0	2.3	2.3	4.5	90.9	44
18&21	.0	.0	.0	.0	2.8	97.2	36
TOT	0	0	1	2	11	154	168
PCT	.0	.0	.6	1.2	6.5	91.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND3+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	4.9	12.2	82.9	41
06&09	.0	.0	.0	11.8	88.2	34
12&15	.0	.0	2.4	7.1	90.5	42
18&21	.0	.0	3.0	3.0	93.9	33
TOT	0	0	4	13	133	150
PCT	.0	.0	2.7	8.7	88.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	1.7	.0	1.2	.0	5	2.9
85/89	.0	.0	.0	1.2	4.6	5.8	2.3	.0	24	13.9
80/84	.0	.0	.0	.0	8.7	30.1	17.9	3.5	104	60.1
75/79	.0	.0	.0	.0	1.7	12.7	8.1	.6	40	23.1
TOTAL	0	0	0	2	29	84	51	7	173	100.0
PCT	.0	.0	.0	1.2	16.8	48.6	29.5	4.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.4	2.5	.0	.0	.0	.0	.0	.0	.0
.4	2.6	9.5	1.3	.0	.0	.0	.0	.0	.0
3.5	12.1	35.5	7.1	.0	.0	.4	1.4	.0	.0
.0	3.9	16.6	2.6	.0	.0	.0	.0	.0	.0
3.9	19.1	64.2	11.0	.0	.0	.4	1.4	.0	.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	90	89	89	84	79	76	76	83.7	49
06&09	84	83	83	81	78	78	78	80.6	56
12&15	83	82	82	79	77	76	76	79.3	49
18&21	90	89	89	83	80	78	78	83.3	45
TOT	90	89	87	81	78	76	76	81.7	199

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	2.2	40.0	37.8	17.8	2.2	73	45
06&09	.0	.0	4.5	56.8	34.1	4.5	80	44
12&15	.0	.0	2.1	57.4	34.0	6.4	81	47
18&21	.0	2.6	20.5	43.6	30.8	2.6	76	39
TOT	0	2	29	86	51	7	77	175

PERIOD: (PRIMARY) 1957-1978
(OVER-ALL) 1927-1978

FEBRUARY

TABLE 17

AREA 0008 MARQUESAS ISLANDS
9.4S 139.1W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
7/8								
6	.0	.0	.0	1.3	2.5	6	.0	3.8
5	.0	.0	.0	.6	.6	2	.0	1.3
4	.0	.0	.6	3.2	.0	6	.0	3.8
3	.0	.0	1.9	.6	.0	4	.0	2.5
2	.0	.0	3.2	1.9	.0	8	.0	5.1
1	.0	.0	5.7	3.2	.0	14	.0	8.9
0	.0	1.9	10.2	.6	.0	20	.0	12.7
-1	.0	3.7	8.9	.0	.0	23	.0	14.6
-2	.6	11.5	6.4	.6	.0	30	.6	18.5
-3	.0	10.2	4.5	.0	.0	23	.0	14.6
-4	.0	5.1	3.2	.0	.0	13	.0	8.3
-5	.0	3.2	.0	.0	.0	5	.0	3.2
-6	.0	.6	.0	.0	.0	1	.0	.6
TOTAL	.6	.6	.0	.0	.0	2	.0	1.3
	2		70		5		1	156
PCT	1.3	38.9	44.6	12.1	3.2	157	.6	99.4
		61		19		100.0		

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.7	.0	.0	.0	.0	.7
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.9	.0	.0	.0	.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.7	.9	.0	.0	.0	1.5

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.6	.0	.0	.0	.0	2.6
1-2	.0	1.1	5.2	.0	.0	.0	6.3
3-4	.0	1.3	2.8	.0	.0	.0	4.1
5-6	.0	1.7	3.7	.0	.0	.0	5.4
7	.0	.0	.2	.0	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.7	12.0	.0	.0	.0	18.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.7	.9	.0	.0	.0	2.6
1-2	.0	8.7	13.9	.0	.0	.0	22.6
3-4	.0	10.2	16.3	.7	.0	.0	27.2
5-6	.0	1.7	6.5	1.7	.0	.0	10.0
7	.0	.0	3.3	.0	.0	.0	3.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	22.4	40.9	2.4	.0	.0	65.7

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.9	.0	.0	.0	.0	.9
3-4	.0	2.4	6.1	.2	.0	.0	9.6
5-6	.0	.9	1.1	.0	.0	.0	2.0
7	.0	.0	.9	.0	.0	.0	.9
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	4.1	8.0	.2	.0	.0	13.3

PERIOD: (OVER-ALL) 1963-1978

FEBRUARY

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9.4S 139.1W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.7	.0	.0	.0	.7	.0	.0	.2	.0	.0	.0	.2	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.7	.0	.0	.0	.7	.0	.0	.2	.0	.0	.0	.2	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	4.3	.9	.0	.0	.0	5.2	
1-2	.0	11.3	19.1	.0	.0	.0	30.4	
3-4	.9	13.9	25.2	.9	.0	.0	40.9	
5-6	.0	4.3	13.0	1.7	.0	.0	19.1	
7	.0	.0	4.3	.0	.0	.0	4.3	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.9	33.9	62.6	2.6	.0	.0	100.0	115

PERIOD: (OVER-ALL) 1950-1978

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.1	10.7	16.8	14.2	2.3	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	83	4
6-7	.0	.0	7.6	15.3	3.1	2.3	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	41	5
8-9	.0	.0	4.6	3.8	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	5
10-11	.0	.0	2.3	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	4
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	6
INDET	.0	.0	3.1	.8	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	5
TOTAL	4	14	45	43	12	9	4	0	0	0	0	0	0	0	0	0	0	0	0	131	4
PCT	3.1	10.7	34.4	32.8	9.2	6.9	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1957-1978
(OVER-ALL) 1887-1978

AREA 0008 MARQUESAS ISLANDS
9.9S 136.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	23.1	.0	.0	.0	.0	.0	.0	76.9
NE	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	4.0	.0	.0	.0	.0	94.1
E	1.8	.0	.0	.0	.0	.0	.0	1.8	.9	2.5	1.8	.0	.0	.0	.0	94.0
SE	.0	2.1	.0	.0	.0	.0	.0	2.1	.0	2.1	.0	.0	.0	.0	.0	95.9
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	66.7
W	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	1.0	.5	.0	.0	.0	.0	.0	1.5	1.5	2.0	1.5	.0	.0	.0	.0	93.9
TOT OBS:	196															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00-03	.0	2.6	.0	.0	.0	.0	.0	2.6	2.6	.0	.0	.0	.0	.0	.0	94.7
06-09	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	4.2	.0	.0	.0	.0	93.8
12-15	.0	.0	.0	.0	.0	.0	.0	.0	3.3	3.3	.0	.0	.0	.0	.0	93.3
18-21	3.8	1.9	.0	.0	.0	.0	.0	5.7	.0	1.9	1.9	.0	.0	.0	.0	92.5
TOT PCT	1.0	1.0	.0	.0	.0	.0	.0	2.0	1.5	2.0	1.5	.0	.0	.0	.0	93.5
TOT OBS:	199															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	1.0	.9	.0	.0	.0		1.9	10.7	2.0	.0	4.0	.0	1.2	.0	2.0	.0
NE	.0	9.7	3.9	.0	.0	.0		13.6	9.7	23.0	.0	19.3	.0	11.9	.0	4.1	19.4
E	.5	26.4	29.1	.7	.0	.0		56.6	11.1	52.7	50.0	56.3	87.5	48.4	100.0	66.8	50.0
SE	.5	12.3	11.8	.2	.0	.0		24.8	11.4	17.6	50.0	18.2	12.5	33.6	.0	25.0	30.6
S	.0	1.5	.0	.0	.0	.0		1.5	6.1	2.0	.0	1.7	.0	1.2	.0	2.0	.0
SW	.0	.3	.0	.0	.0	.0		.3	5.0	.0	.0	.6	.0	.8	.0	.0	.0
W	.0	.3	.0	.0	.0	.0		.3	5.0	.0	.0	.0	.0	1.2	.0	.0	.0
NW	.0	.5	.0	.0	.0	.0		.5	7.0	2.7	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.5							.5	.0	.0	.0	.0	.0	1.6	.0	.0	.0
TOT OBS	3	114	100	2	0	0	219		10.8	37	1	44	8	61	1	49	18
TOT PCT	1.4	52.1	45.7	.9	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	1.9	.0	.0	.0		1.9	10.7	2.0	3.4	1.2	1.5
NE	1.4	12.2	.0	.0	.0		13.6	9.7	22.4	16.3	11.7	8.2
E	7.1	44.4	5.1	.0	.0		56.6	11.1	52.6	41.1	49.2	62.3
SE	3.0	19.2	2.6	.0	.0		24.8	11.4	18.4	17.3	33.1	26.3
S	1.1	.3	.0	.0	.0		1.5	6.1	2.0	1.4	1.2	1.5
SW	.3	.0	.0	.0	.0		.3	5.0	.0	.6	.8	.0
W	.3	.0	.0	.0	.0		.3	5.0	.0	.0	1.2	.0
NW	.0	.5	.0	.0	.0		.5	7.0	2.6	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.5						.5	.0	.0	.0	1.6	.0
TOT OBS	30	172	17	0	0	219		10.8	38	32	62	67
TOT PCT	13.7	78.5	7.8	.0	.0		100.0		100.0	100.0	100.0	100.0

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SEP 79

UNCLASSIFIED NL

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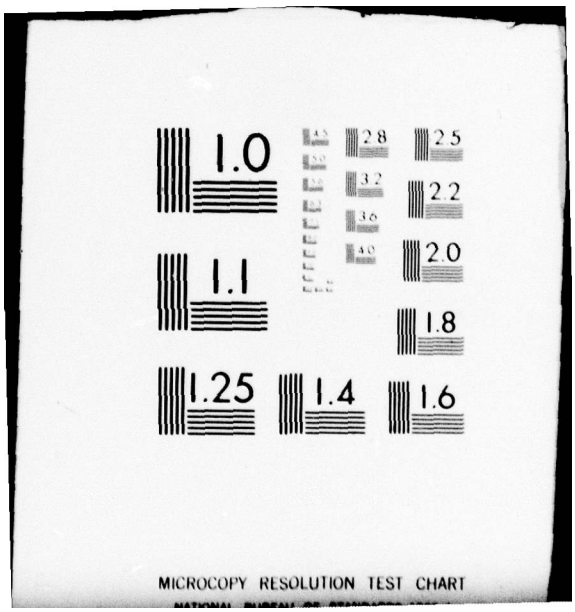


END

DATE FILMED

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DDC


1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
MICROCOPY RESOLUTION TEST CHART

MARCH

PERIOD: (PRIMARY) 1957-1978
(OVER-ALL) 1887-1978

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	47.4	50.0	2.6	.0	.0	11.6	100.0	38
06&09	.0	1.9	63.5	32.7	1.9	.0	.0	10.3	100.0	52
12&15	4.6	1.6	51.6	45.2	.0	.0	.0	10.5	100.0	62
18&21	.0	.0	46.3	53.7	.0	.0	.0	11.0	100.0	67
TOT	1	2	114	100	2	0	0	10.8		219
PCT	.5	.9	52.1	45.7	.9	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.9	.6	.4		5.6
NE	4.6	4.5	2.6	.9		3.3
E	25.7	19.4	11.8	2.0		3.1
SE	9.2	9.8	3.7	.7		3.2
S	.0	1.0	.9	.0		4.3
SW	.0	.0	.3	.0		6.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.6		8.0
VAR	.0	.0	.0	.0		.0
CALM	.6	.0	.0	.0		.0
TOT OBS	69	61	34	7	171	3.2
TOT PCT	40.4	35.7	19.9	4.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.4	.6	.0	.0	.0	.0	.9	
NE	.0	.0	.0	.0	.3	1.2	.0	.0	.0	.0	10.8	
E	.0	.6	.0	1.2	1.0	1.0	.0	.0	.0	.0	55.3	
SE	.0	.0	.6	1.2	.6	.1	.0	.0	.0	.0	20.9	
S	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	1.0	
SW	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	
TOT OBS	0	1	1	4	6	6	0	0	0	0	153	171
TOT PCT	.0	.6	.6	2.3	3.5	3.5	.0	.0	.0	.0	89.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >5OYD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >2000	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
* OR >1000	6.9	6.9	7.5	7.5	7.5	7.5	7.5	7.5
* OR >600	8.7	8.7	9.2	9.2	9.8	9.8	9.8	9.8
* OR >300	8.7	9.2	9.8	9.8	10.4	10.4	10.4	10.4
* OR >150	9.2	9.8	10.4	10.4	11.0	11.0	11.0	11.0
* OR > 0	9.2	9.8	10.4	10.4	11.0	11.0	11.0	11.0
TOTAL	16	17	18	18	19	19	19	19

TOTAL NUMBER OF OBS: 173 PCT FREQ NH <5/8: 89.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.8	18.0	33.9	25.7	7.7	3.8	2.7	2.2	2.2	.0	183

MARCH

PERIOD: (PRIMARY) 1957-1978
(OVER-ALL) 1887-1978

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	
	TOT %	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	
5<10	PCP	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.5	
	NO PCP	.0	.6	3.2	1.8	.0	.1	.4	.0	.0	.0	6.1	
	TOT %	.0	.6	3.2	2.3	.0	.1	.4	.0	.0	.0	6.6	
10+	PCP	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	
	NO PCP	1.7	12.2	51.9	22.6	1.7	.3	.0	.5	.0	.5	91.3	
	TOT %	1.7	12.2	52.4	22.6	1.7	.3	.0	.5	.0	.5	91.8	
	TOT OBS												196
	TOT PCT	1.7	12.9	57.1	24.9	1.7	.4	.4	.5	.0	.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.5	.0	.0	.0	.0	.0	.0		.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.5	.0	.0	.0	.0	.0	.0		.5	
	11-21	.0	.0	.5	.0	.0	.0	.0	.0	.0		.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	
5<10	0-3	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	
	4-10	.0	.6	1.8	.6	.0	.1	.4	.0	.0		3.6	
	11-21	.0	.0	.6	1.4	.0	.0	.0	.0	.0		2.0	
	22+	.0	.0	.3	.3	.0	.0	.0	.0	.0		.5	
	TOT %	.0	.6	3.2	2.3	.0	.1	.4	.0	.0	.0	6.6	
10+	0-3	.0	.0	.0	.5	.0	.0	.0	.0	.0	.5	1.0	
	4-10	1.1	7.9	23.0	10.8	1.6	.3	.0	.5	.0		45.2	
	11-21	1.0	4.3	28.7	11.2	.0	.0	.0	.0	.0		45.2	
	22+	.0	.0	.5	.0	.0	.0	.0	.0	.0		.5	
	TOT %	2.2	12.2	52.2	22.3	1.6	.3	.0	.5	.0	.5	91.9	
	TOT OBS												197
	TOT PCT	2.2	12.8	56.9	24.7	1.6	.4	.4	.5	.0	.5	100.0	

MARCH

PERIOD: (PRIMARY) 1957-1978
(OVER-ALL) 1887-1978

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00603	.0	2.7	.0	5.4	2.7	5.4	.0	.0	.0	.0	16.2	83.8	37
06609	.0	.0	.0	.0	7.5	.0	.0	.0	.0	.0	7.5	92.5	40
12615	.0	.0	.0	1.8	5.3	1.8	.0	.0	.0	.0	8.8	91.2	57
18621	.0	.0	2.1	2.1	.0	6.3	.0	.0	.0	.0	10.4	89.6	48
TOT	0	1	1	4	7	6	0	0	0	0	19	163	182
PCT	.0	.5	.5	2.2	3.8	3.3	.0	.0	.0	.0	10.4	89.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00603	.0	.0	.0	.0	2.6	97.4	38
06609	.0	.0	.0	.0	10.2	89.8	49
12615	.0	.0	.0	1.7	3.3	95.0	60
18621	.0	1.9	.0	1.9	9.4	86.8	53
TOT	0	1	0	2	13	184	200
PCT	.0	.5	.0	1.0	6.5	92.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NM >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00603	.0	2.8	8.3	8.3	83.3	36
06609	.0	.0	.0	8.3	91.7	36
12615	.0	.0	3.8	5.7	90.6	53
18621	.0	4.2	6.3	6.3	87.5	48
TOT	0	3	8	12	153	173
PCT	.0	1.7	4.6	6.9	88.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.5	.0	.0	.0	1	.5
90/94	.0	.0	.0	.0	.0	.5	.5	.0	2	1.1
85/89	.0	.0	.0	.0	3.2	4.8	1.6	1.1	20	10.7
80/84	.0	.0	.0	.0	4.3	43.3	24.6	3.2	141	75.4
75/79	.0	.0	.0	.0	.5	2.7	7.5	1.6	23	12.3
TOTAL	0	0	0	0	16	96	64	11	187	100.0
PCT	.0	.0	.0	.0	8.6	51.3	34.2	5.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
.0	.5	.5	.0	.0	.0	.0	.0	.0	.0
.0	1.1	6.6	2.5	.0	.0	.0	.5	.0	.0
2.3	11.6	41.8	18.4	.8	.1	.0	.0	.0	.5
.0	.8	6.4	4.0	.4	.3	.4	.0	.0	.0
2.3	14.0	55.6	25.0	1.2	.4	.4	.5	.0	.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00603	95	94	90	83	79	79	79	84.5	40
06609	85	84	84	81	80	79	79	81.5	53
12615	84	83	83	81	79	77	77	80.7	62
18621	88	87	86	83	80	78	78	83.1	67
TOT	95	90	87	82	79	78	77	82.3	222

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00603	.0	.0	28.2	46.2	23.1	2.6	74	39
06609	.0	.0	4.5	59.6	29.8	6.4	79	47
12615	.0	.0	1.8	38.6	52.6	7.0	81	57
18621	.0	.0	6.4	61.7	25.5	6.4	77	47
TOT	0	0	17	97	65	11	78	190

PERIOD: (PRIMARY) 1957-1978
(OVER-ALL) 1887-1978

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	77 80	81 84	85 88	89 92	>92	TOT	N FOG	NO FOG
14/16	.0	.0	.0	.0	.5	1	.0	.5
6	.0	.0	.0	.5	.0	1	.0	.5
5	.0	.0	1.1	.5	.0	3	.0	1.6
4	.0	.0	1.1	.0	.0	2	.0	1.1
3	.0	3.2	1.6	.5	.0	10	.0	5.4
2	1.1	4.9	2.7	.0	.0	16	.5	8.1
1	.5	9.2	2.2	.0	.0	22	.0	11.9
0	2.2	18.4	.5	.0	.0	39	.5	20.5
-1	8.1	15.7	.5	.0	.0	45	.5	23.8
-2	7.0	5.9	.5	.0	.0	25	.0	13.5
-3	3.2	2.7	.0	.0	.0	11	.0	5.9
-4	2.7	.5	.0	.0	.0	6	.0	3.2
-5	1.6	.5	.0	.0	.0	4	.0	2.2
TOTAL	49	113	19	3	1	185	3	182
PCT	26.5	61.1	10.3	1.6	.5	100.0	1.6	98.4

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.9	.0	.0	.0	.0	4.9
3-4	.0	2.5	1.0	.0	.0	.0	3.5
5-6	.0	.4	1.6	.0	.0	.0	2.0
7	.0	.0	.8	.0	.0	.0	.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.8	3.5	.0	.0	.0	11.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.6	.8	.0	.0	.0	2.5
1-2	.0	14.1	3.9	.0	.0	.0	18.0
3-4	.0	4.7	11.3	.0	.0	.0	16.0
5-6	.0	4.9	13.3	.0	.0	.0	18.2
7	.0	.0	3.3	.0	.0	.0	3.3
8-9	.0	.6	.6	.0	.0	.0	1.2
10-11	.0	.0	.0	.8	.0	.0	.8
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	26.0	33.2	.8	.0	.0	60.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.6	.0	.0	.0	.0	1.6
1-2	.0	4.7	1.8	.0	.0	.0	6.6
3-4	.0	3.5	7.4	.0	.0	.0	10.9
5-6	.0	.8	6.4	.0	.0	.0	7.0
7	.0	.0	1.6	.0	.0	.0	1.6
8-9	.0	.2	.2	.0	.0	.0	.4
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.7	17.4	.0	.0	.0	28.1

PERIOD: (OVER-ALL) 1963-1978 MARCH AREA 0008 MARQUESAS ISLANDS 9.5S 136.1W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.6	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.6	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	4.1	.8	.0	.0	.0	4.9	
1-2	.0	23.6	5.7	.0	.0	.0	29.3	
3-4	.0	10.6	19.5	.0	.0	.0	30.1	
5-6	.0	6.5	21.1	.0	.0	.0	27.6	
7	.0	.0	5.7	.0	.0	.0	5.7	
8-9	.0	.8	.8	.0	.0	.0	1.6	
10-11	.0	.0	.0	.8	.0	.0	.8	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.6	.0	.0	.0	.6	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								123
TOT PCT	.0	45.5	53.7	.8	.0	.0	100.0	

PERIOD: (OVER-ALL) 1952-1978 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.9	9.9	15.4	11.7	4.9	.6	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	75	4
6-7	.0	.6	8.2	18.0	3.1	.6	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	44	5
8-9	.0	.0	2.5	6.2	4.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25	6
10-11	.0	1.2	.0	.6	1.9	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	5
12-13	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
>13	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	2	14
INDET	.0	.0	.4	1.2	1.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	6
TOTAL	3	19	41	58	27	4	9	0	0	0	1	0	0	0	0	0	0	0	0	162	5
PCT	1.9	11.7	25.3	35.8	16.7	2.5	5.6	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1956-1977
(OVER-ALL) 1879-1977

AREA 0008 MARQUESAS ISLANDS
9.7S 138.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	9.3	.0	.0	.0	.0	.0	.0	5.3	.0	.0	.0	.0	.0	.0	.0	94.7
E	.0	4.1	.0	.0	.0	.0	.0	2.1	2.9	1.8	.0	.0	.0	.0	.0	94.3
SE	.0	5.0	.0	.0	.0	.0	.0	5.6	2.9	.0	.0	.0	.0	.0	.0	91.4
S	.0	33.3	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	.0	66.7
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.5	3.1	.0	.0	.0	.0	.0	3.6	2.0	1.0	.0	.0	.0	.0	.0	93.4
TOT OBS:	196															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	.0	4.0	.0	.0	.0	.0	.0	4.0	.0	.0	.0	.0	.0	.0	.0	96.0
06609	.0	2.3	.0	.0	.0	.0	.0	2.3	.0	4.7	.0	.0	.0	.0	.0	93.0
12615	1.9	3.8	.0	.0	.0	.0	.0	5.7	1.9	.0	.0	.0	.0	.0	.0	92.5
18621	.0	1.8	.0	.0	.0	.0	.0	1.8	5.9	.0	.0	.0	.0	.0	.0	92.7
TOT PCT	.5	3.0	.0	.0	.0	.0	.0	3.5	2.0	1.0	.0	.0	.0	.0	.0	93.5
TOT OBS:	201															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.4	4.9	3.5	.0	.0	.0		8.8	9.9	6.7	.0	12.2	.0	10.0	25.0	9.3	.0
E	.0	24.2	41.2	3.5	.0	.0		68.9	12.9	72.6	100.0	72.7	60.0	61.4	75.0	63.4	90.4
SE	.0	6.2	12.6	.9	.0	.0		19.7	13.0	16.8	.0	15.1	40.0	23.2	.0	25.5	9.6
S	.0	1.3	.4	.0	.0	.0		1.7	9.0	3.8	.0	.0	.0	3.6	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.4	.0	.0	.0	.0		.4	10.0	.0	.0	.0	.0	.0	.0	1.9	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.4							.4	.0	.0	.0	.0	.0	1.8	.0	.0	.0
TOT OBS	2	85	132	10	0	0	229		12.5	52	3	43	5	55	4	54	13
TOT PCT	.9	37.1	57.6	4.4	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NE	1.7	7.1	.0	.0	.0		8.8	9.9	6.4	10.9	11.0	7.5
E	6.0	49.5	13.4	.0	.0		68.9	12.9	74.1	71.4	62.3	68.7
SE	.5	15.9	3.2	.0	.0		19.7	13.0	15.9	17.7	21.6	22.4
S	.9	.9	.0	.0	.0		1.7	9.0	3.6	.0	3.4	.0
SW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
W	.0	.4	.0	.0	.0		.4	10.0	.0	.0	.0	1.5
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.4						.4	.0	.0	.0	1.7	.0
TOT OBS	22	169	38	0	0	229		12.5	55	48	59	67
TOT PCT	9.6	73.8	16.6	.0	.0		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1956-1977
(OVER-ALL) 1879-1977

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	.0	25.5	70.9	3.6	.0	.0	13.6	100.0	55
06&09	.0	2.1	43.8	50.0	4.2	.0	.0	12.1	100.0	48
12&15	4.7	.0	44.1	49.3	1.7	.0	.0	11.6	100.0	59
18&21	.0	.0	35.8	56.7	7.5	.0	.0	12.7	100.0	67
TOT	1	1	85	122	10	0	0	12.5		229
PCT	.4	.4	37.1	53.6	4.4	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	1.5	4.6	2.7	.5		4.1
E	25.7	27.6	12.4	2.4		3.2
SE	7.1	8.8	4.1	.5		3.2
S	.0	1.1	.5	.0		3.6
SW	.0	.0	.0	.0		.0
W	.0	.0	.5	.0		6.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.5	.0	.0	.0		1.0
TOT OBS	65	78	38	6	187	3.3
TOT PCT	34.8	41.7	20.3	3.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	2.7	.5	.0	.0	.0	.0	3.9	
E	.0	.0	.0	2.9	2.3	1.6	.5	.0	.5	.0	60.4	
SE	.0	.0	.0	.1	1.3	.0	.0	.0	.0	.0	18.7	
S	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	1.1	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	
TOT OBS	0	0	0	5	13	4	2	0	1	0	102	187
TOT PCT	.0	.0	.0	2.7	7.0	2.1	1.1	.0	.5	.0	88.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) • OR >10	• OR >5	• OR >2	• OR >1	• OR >1/2	• OR >1/4	• OR >50YD	• OR >0
• OR >6500	.5	.5	.5	.5	.5	.5	.5	.5
• OR >5000	.5	.5	.5	.5	.5	.5	.5	.5
• OR >3500	1.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
• OR >2000	3.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
• OR >1000	7.9	11.0	11.0	11.5	11.5	11.5	11.5	11.5
• OR >600	9.4	13.6	13.6	14.1	14.1	14.1	14.1	14.1
• OR >300	9.4	13.6	13.6	14.1	14.1	14.1	14.1	14.1
• OR >150	9.4	13.6	13.6	14.1	14.1	14.1	14.1	14.1
• OR > 0	9.4	13.6	13.6	14.1	14.1	14.1	14.1	14.1
TOTAL	18	26	26	27	27	27	27	27

TOTAL NUMBER OF OBS: 191

PCT FREQ NH <5/8: 85.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
5.7	21.6	23.7	23.2	11.9	4.6	4.6	2.6	2.1	.0	194

APRIL

PERIOD: (PRIMARY) 1956-1977
(OVER-ALL) 1879-1977

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.5	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.5	
2<5	PCP	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.5	
	NO PCP	.0	.5	1.0	.0	.0	.0	.0	.0	.0	.0	1.5	
	TOT %	.0	.5	1.0	.5	.0	.0	.0	.0	.0	.0	2.0	
5<10	PCP	.0	.0	.9	.1	.5	.0	.0	.0	.0	.0	1.5	
	NO PCP	.0	.1	4.0	1.0	.0	.0	.0	.0	.0	.0	5.1	
	TOT %	.0	.1	4.8	1.1	.5	.0	.0	.0	.0	.0	6.6	
10+	PCP	.0	.0	.5	.5	.0	.0	.0	.0	.0	.0	1.0	
	NO PCP	.0	8.4	60.8	18.5	1.0	.0	.5	.0	.0	.5	89.8	
	TOT %	.0	8.4	61.4	19.0	1.0	.0	.5	.0	.0	.5	90.8	
	TOT OBS												196
	TOT PCT	.0	9.6	67.2	20.7	1.5	.0	.5	.0	.0	.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.5	.0	.0	.0	.0	.0	.0	.0		.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.5	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.5	.0	.0	.0	.0	.0	.0	.0		.5	
	11-21	.0	.0	1.0	.5	.0	.0	.0	.0	.0		1.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.5	1.0	.5	.0	.0	.0	.0	.0	.0	2.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.1	1.4	.0	.5	.0	.0	.0	.0		2.0	
	11-21	.0	.0	3.4	1.1	.0	.0	.0	.0	.0		4.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.1	4.8	1.1	.5	.0	.0	.0	.0	.0	6.6	
10+	0-3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	1.0	
	4-10	.0	4.4	22.5	6.1	.5	.0	.5	.0	.0		34.0	
	11-21	.0	3.6	35.4	11.8	.5	.0	.0	.0	.0		51.3	
	22+	.0	.0	3.6	1.0	.0	.0	.0	.0	.0		4.6	
	TOT %	.0	8.5	61.4	18.9	1.0	.0	.5	.0	.0	.5	90.9	
	TOT OBS												197
	TOT PCT	.0	9.6	67.3	20.6	1.5	.0	.5	.0	.0	.5	100.0	

APRIL

PERIOD: (PRIMARY) 1956-1977
(OVER-ALL) 1879-1977

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	7.8	3.9	2.0	2.0	.0	.0	.0	15.7	84.3	51
06&09	.0	.0	.0	.0	12.5	5.0	2.5	.0	.0	.0	20.0	80.0	40
12&15	.0	.0	.0	2.0	7.8	.0	.0	.0	2.0	.0	11.8	88.2	51
18&21	.0	.0	.0	.0	3.8	1.9	3.8	.0	.0	.0	9.6	90.4	52
TOT	0	0	0	5	13	4	4	0	1	0	27	167	194
PCT	.0	.0	.0	2.6	6.7	2.1	2.1	.0	.5	.0	13.9	86.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	3.9	96.1	51
06&09	.0	.0	.0	2.3	14.0	83.7	43
12&15	.0	.0	1.9	1.9	13.2	83.0	53
18&21	.0	.0	.0	3.6	1.8	94.5	55
TOT	0	0	1	4	16	181	202
PCT	.0	.0	.5	2.0	7.9	89.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <5OVU	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	8.0	8.0	84.0	50
06&09	.0	.0	2.5	20.0	77.5	40
12&15	.0	.0	6.0	8.0	86.0	50
18&21	.0	.0	3.9	9.8	86.3	51
TOT	0	0	10	21	160	191
PCT	.0	.0	5.2	11.0	83.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	1.0	1.5	.0	.0	.0	5	2.5
85/89	.0	.0	.0	.0	6.9	8.4	.5	.5	33	16.3
80/84	.0	.0	.0	.0	3.0	37.9	27.6	3.4	146	71.9
75/79	.0	.0	.0	.0	.0	2.5	6.4	.5	19	9.4
TOTAL	0	0	0	2	23	99	70	9	203	100.0
PCT	.0	.0	.0	1.0	11.3	48.8	34.5	4.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.1	1.2	.6	.5	.0	.0	.0	.0	.0
.0	1.2	12.4	2.1	.0	.0	.5	.0	.0	.0
.0	6.5	47.0	16.4	1.5	.0	.0	.0	.0	.5
.0	1.1	6.8	1.5	.0	.0	.0	.0	.0	.0
.0	9.0	67.5	20.6	2.0	.0	.5	.0	.0	.5

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	93	92	90	84	81	76	76	84.2	56
06&09	84	83	83	82	79	79	79	81.6	49
12&15	85	84	83	81	78	76	76	80.8	60
18&21	94	93	88	84	80	78	78	82.8	71
TOT	94	91	88	82	79	77	76	82.7	236

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	2.0	27.5	54.9	11.8	3.9	74	51
06&09	.0	.0	.0	57.8	37.8	4.4	79	45
12&15	.0	.0	3.4	51.0	38.6	6.9	81	58
18&21	.0	1.8	16.4	50.9	27.3	3.6	76	55
TOT	0	2	23	100	72	10	78	209

APRIL

PERIOD: (PRIMARY) 1956-1977
(OVER-ALL) 1879-1977

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
11/13	.0	.0	.0	.0	.0	.6	1	.0	.6
9/10	.0	.0	.0	.6	.0	.6	2	.0	1.1
7/8	.0	.0	.0	.6	.6	.0	2	.0	1.1
5	.0	.0	.0	.6	.0	.0	1	.0	.6
4	.0	.0	1.1	1.7	1.7	.0	8	.0	4.4
3	.0	.0	1.7	3.3	.0	.0	9	.0	5.0
2	.0	.0	2.2	1.7	.0	.0	7	.0	3.9
1	.0	1.1	8.1	4.4	.0	.0	21	.0	11.6
0	.0	2.2	16.0	1.7	.0	.0	36	.0	19.9
-1	.0	4.4	14.4	.6	.0	.0	35	.0	19.3
-2	.0	3.3	11.0	.0	.0	.0	26	.0	14.4
-3	.0	2.8	9.4	.0	.0	.0	22	.0	12.2
-4	.0	2.2	1.1	.0	.0	.0	6	.0	3.3
-5	1.1	1.7	.0	.0	.0	.0	5	.0	2.8
TOTAL	2	32	114	27	4	2	181	0	181
PCT	1.1	17.7	62.9	15.0	2.2	1.1	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.2	.0	.0	.0	.0	.2
1-2	.0	1.0	1.8	.0	.0	.0	2.8
3-4	.0	1.8	1.0	.0	.0	.0	2.8
5-6	.0	.0	2.4	.0	.0	.0	2.4
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.0	5.2	.0	.0	.0	8.2

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.6	.0	.0	.0	.0	.6
1-2	.0	14.0	9.8	.0	.0	.0	23.8
3-4	.0	6.6	22.2	.0	.0	.0	28.8
5-6	.0	1.6	7.6	.0	.0	.0	9.2
7	.0	.0	2.8	.0	.0	.0	2.8
8-9	.0	.0	.8	.0	.0	.0	.8
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	22.8	43.2	.0	.0	.0	66.0

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.8	6.0	.0	.0	.0	7.8
3-4	.0	2.8	6.4	.0	.0	.0	9.2
5-6	.0	.0	2.8	.0	.0	.0	2.8
7	.0	.0	1.2	1.6	.0	.0	2.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.6	10.4	1.6	.0	.0	22.6

PERIOD: (OVER-ALL) 1968-1977 APRIL AREA 0008 MARQUESAS ISLANDS

TABLE 18 (CONT) 9.7S 138.9W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.8	.0	.0	.0	.0	.8
3-4	.0	.0	.8	.0	.0	.0	.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.8	.8	.0	.0	.0	1.6

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.8	.0	.0	.0	.0	.8
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.8	.0	.0	.0	.0	.8

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.8	.0	.0	.0	.0	.8	99.2

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.8	.8	.0	.0	.0	.0	1.6	
1-2	.0	10.4	17.6	.0	.0	.0	28.0	
3-4	.0	11.2	30.4	.0	.0	.0	41.6	
5-6	.0	1.6	12.8	.0	.0	.0	14.4	
7	.0	.0	4.0	1.6	.0	.0	5.6	
8-9	.0	.0	.8	.0	.0	.0	.8	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.8	32.0	65.6	1.6	.0	.0	100.0	125

PERIOD: (OVER-ALL) 1949-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.6	2.4	19.3	11.4	4.8	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	66	4
6-7	.0	3.0	8.4	12.7	7.2	1.2	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	38	5
8-9	.0	.0	.6	1.2	2.4	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	7
10-11	.0	1.8	.6	3.0	1.2	.6	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	5
12-13	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5
>13	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	5
INDET	1.2	.6	4.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	3
TOTAL	3	13	60	91	26	5	7	1	0	0	0	0	0	0	0	0	0	0	0	166	5
PCT	1.8	7.8	36.1	30.7	15.7	3.0	4.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MAY

PERIOD: (PRIMARY) 1958-1977
(OVER-ALL) 1884-1977

AREA 0008 MARQUESAS ISLANDS
9.6S 138.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	1.6	.0	.0	.0	.0	.0	.0	1.6	3.3	.0	.0	.0	.0	.0	.0	95.1
E	.9	4.9	1.1	.0	.0	.0	.0	4.9	2.3	.0	.0	.0	.0	.0	.0	92.9
SE	.0	.5	.5	.0	.0	.0	.0	1.0	2.6	.0	.0	.0	.0	.0	.0	96.3
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.8	2.0	.8	.0	.0	.0	.0	3.5	2.4	.0	.0	.0	.0	.0	.0	94.1
TOT OBS:	255															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00-03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
06-09	1.4	4.8	1.4	.0	.0	.0	.0	5.6	2.8	.0	.0	.0	.0	.0	.0	91.5
12-15	1.2	1.2	1.2	.0	.0	.0	.0	3.7	3.7	.0	.0	.0	.0	.0	.0	92.6
18-21	.0	3.6	.0	.0	.0	.0	.0	3.6	1.8	.0	.0	.0	.0	.0	.0	94.6
TOT PCT	.8	1.9	.8	.0	.0	.0	.0	3.5	2.3	.0	.0	.0	.0	.0	.0	94.2
TOT OBS:	260															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.3	1.7	.0	.0	.0	.0		2.0	7.9	3.8	.0	2.6	.0	1.3	.0	1.4	.0
NE	.5	6.8	4.2	.0	.0	.0		11.4	10.1	16.0	12.5	11.0	.0	8.9	.0	11.8	20.0
E	.4	47.6	35.8	.7	.0	.0		84.5	11.8	60.8	75.0	62.1	75.0	61.7	100.0	67.9	77.5
SE	.0	6.7	13.0	.0	.0	.0		19.7	11.6	15.6	12.5	20.2	25.0	26.9	.0	17.0	2.5
S	.0	.3	.0	.0	.0	.0		.3	6.0	.0	.0	1.1	.0	.0	.0	.0	.0
SW	.0	.7	.0	.0	.0	.0		.7	6.0	1.9	.0	1.5	.0	.0	.0	.0	.0
W	.0	.4	.0	.0	.0	.0		.4	5.0	1.9	.0	.0	.0	.0	.0	.0	.0
NW	.0	.4	.0	.0	.0	.0		.4	6.0	.0	.0	.0	.0	.0	.0	1.9	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.7							.7	.0	.0	.0	1.5	.0	1.3	.0	.0	.0
TOT OBS	5	123	146	2	0	0	276		11.3	53	2	68	8	79	5	53	13
TOT PCT	1.8	44.6	52.9	.7	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.6	1.4	.0	.0	.0		2.0	7.9	3.6	2.4	1.2	1.2
NE	1.6	9.5	.3	.0	.0		11.4	10.1	15.9	10.1	8.3	13.1
E	4.9	54.1	5.5	.0	.0		64.5	11.8	61.4	63.2	64.0	69.4
SE	1.6	16.6	1.4	.0	.0		19.7	11.6	15.5	20.6	25.3	14.7
S	.3	.0	.0	.0	.0		.3	6.0	.0	1.0	.0	.0
SW	.4	.4	.0	.0	.0		.7	6.0	1.8	1.4	.0	.0
W	.4	.0	.0	.0	.0		.4	5.0	1.8	.0	.0	.0
NW	.4	.0	.0	.0	.0		.4	6.0	.0	.0	.0	1.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.7						.7	.0	.0	1.4	1.2	.0
TOT OBS	30	226	20	0	0	276		11.3	55	74	84	63
TOT PCT	10.9	81.9	7.2	.0	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1958-1977
(OVER-ALL) 1884-1977

3008 MARQUESAS ISLANDS
9.6S 138.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	1.8	40.0	58.2	.0	.0	.0	11.6	100.0	55
06&09	1.4	1.4	45.9	51.4	.0	.0	.0	11.0	100.0	74
12&15	1.2	1.2	48.8	48.8	.0	.0	.0	10.9	100.0	84
18&21	.0	.0	41.3	55.6	3.2	.0	.0	12.0	100.0	63
TOT	2	3	123	146	2	0	0	11.3		276
PCT	.7	1.1	44.6	52.9	.7	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.3	.7	.8	.4		4.6
NE	3.5	4.3	3.1	.4		3.7
E	30.2	20.3	13.2	1.5		3.1
SE	10.8	5.6	2.3	.2		2.5
S	.0	.3	.0	.0		4.0
SW	.0	.0	.8	.0		7.0
W	.0	.4	.0	.0		4.0
NW	.0	.0	.4	.0		5.0
VAR	.0	.0	.0	.0		.0
CALM	.4	.0	.0	.0		.0
TOT OBS	107	75	49	6	237	3.1
TOT PCT	45.1	31.6	20.7	2.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.4	.0	.4	.0	.0	1.5	
NE	.0	.0	.0	.4	2.2	.0	.0	.0	.0	.0	8.6	
E	.0	.0	.8	1.9	5.8	2.4	.7	.0	.0	.0	54.0	
SE	.0	.0	.0	.0	.8	.5	.9	.0	.0	.0	16.6	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	
SW	.0	.0	.0	.0	.4	.0	.0	.0	.4	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	
TOT OBS	0	0	2	4	22	8	4	1	1	0	195	237
TOT PCT	.0	.0	.8	1.7	9.3	3.4	1.7	.4	.4	.0	82.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) • OR >10	• OR >5	• OR >2	• OR >1	• OR >1/2	• OR >1/4	• OR >50YD	• OR >0
• OR >6500	.0	.4	.4	.4	.4	.4	.4	.4
• OR >5000	.4	.8	1.2	1.2	1.2	1.2	1.2	1.2
• OR >3500	1.7	2.5	2.9	2.9	2.9	2.9	2.9	2.9
• OR >2000	5.4	6.2	6.6	6.6	6.6	6.6	6.6	6.6
• OR >1000	11.2	14.9	16.2	16.2	16.2	16.2	16.2	16.2
• OR >600	12.0	16.2	17.8	17.8	17.8	17.8	17.8	17.8
• OR >300	12.9	17.0	18.7	18.7	18.7	18.7	18.7	18.7
• OR >150	12.9	17.0	18.7	18.7	18.7	18.7	18.7	18.7
• OR > 0	12.9	17.0	18.7	18.7	18.7	18.7	18.7	18.7
TOTAL	31	41	45	45	45	45	45	45

TOTAL NUMBER OF OBS: 241

PCT FREQ NH <5/8: 81.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
6.3	20.5	26.0	18.5	10.6	5.5	6.7	3.5	2.4	.0	254

PERIOD: (PRIMARY) 1958-1977
(OVER-ALL) 1884-1977

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.2	1.0	.0	.0	.0	.0	.0	.0	.0	1.2	
	NO PCP	.0	.0	.4	.4	.0	.0	.0	.0	.0	.0	.8	
	TOT %	.0	.2	1.4	.4	.0	.0	.0	.0	.0	.0	2.0	
5<10	PCP	.0	.0	1.1	.1	.0	.0	.0	.0	.0	.0	1.2	
	NO PCP	.0	2.3	6.4	1.6	.0	.4	.0	.0	.0	.0	10.6	
	TOT %	.0	2.3	7.5	1.7	.0	.4	.0	.0	.0	.0	11.8	
10+	PCP	.0	.0	1.1	.1	.0	.0	.0	.0	.0	.0	1.2	
	NO PCP	2.2	9.5	54.8	16.2	.3	.4	.4	.4	.0	.8	85.0	
	TOT %	2.2	9.5	55.9	16.3	.3	.4	.4	.4	.0	.8	86.2	
	TOT OBS												294
	TOT PCT	2.2	12.0	64.8	18.4	.3	.8	.4	.4	.0	.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.1	.7	.0	.0	.0	.0	.0	.0		.8	
	11-21	.0	.1	.7	.4	.0	.0	.0	.0	.0		1.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.2	1.4	.4	.0	.0	.0	.0	.0	.0	2.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	1.0	3.8	.4	.0	.4	.0	.0	.0		5.1	
	11-21	.0	1.3	3.7	1.3	.0	.0	.0	.0	.0		6.3	
	22+	.0	.0	.4	.0	.0	.0	.0	.0	.0		.4	
	TOT %	.0	2.3	7.9	1.7	.0	.4	.0	.0	.0	.0	11.8	
10+	0-3	.2	.2	.4	.0	.0	.0	.0	.0	.0	.8	2.0	
	4-10	1.9	5.9	24.0	5.6	.3	.4	.4	.4	.0		38.8	
	11-21	.0	3.1	31.2	10.8	.0	.0	.0	.0	.0		45.1	
	22+	.0	.0	.4	.0	.0	.0	.0	.0	.0		.4	
	TOT %	2.2	9.5	56.0	16.4	.3	.4	.4	.4	.0	.8	86.3	
	TOT OBS												295
	TOT PCT	2.2	12.0	64.8	18.4	.3	.8	.4	.4	.0	.8	100.0	

MAY

PERIOD: (PRIMARY) 1958-1977
(OVER-ALL) 1884-1977

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	1.9	3.8	1.9	.0	.0	1.9	.0	9.4	90.6	53
06&09	.0	.0	1.5	2.9	7.4	2.9	1.5	1.5	.0	.0	17.6	82.4	68
12&15	.0	.0	1.3	.0	15.2	3.8	3.8	1.3	.0	.0	25.3	74.7	79
18&21	.0	.0	.0	1.9	7.5	5.7	.0	.0	.0	.0	15.1	84.9	53
TOT	0	0	2	4	23	9	4	2	1	0	45	208	253
PCT	.0	.0	.8	1.6	9.1	3.6	1.6	.8	.4	.0	17.8	82.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	5.9	94.1	51
06&09	.0	.0	.0	1.4	13.9	84.7	72
12&15	.0	.0	.0	3.7	13.6	82.7	81
18&21	.0	.0	.0	3.6	10.7	85.7	56
TOT	0	0	0	6	30	224	260
PCT	.0	.0	.0	2.3	11.5	86.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	2.0	8.0	90.0	50
06&09	.0	1.6	6.3	12.5	81.3	64
12&15	.0	1.4	4.1	24.3	71.6	74
18&21	.0	.0	3.8	11.3	84.9	53
TOT	0	2	10	36	195	241
PCT	.0	.8	4.1	14.9	80.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.4	.0	.4	.0	.0	2	.8
85/89	.0	.0	.0	.8	2.4	3.2	.4	.0	17	6.7
80/84	.0	.0	.4	.0	12.6	40.3	24.9	3.6	207	81.8
75/79	.0	.0	.0	.0	.0	3.6	4.3	2.8	27	10.7
TOTAL	0	0	1	3	38	120	75	16	253	100.0
PCT	.0	.0	.4	1.7	15.0	47.4	29.6	6.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.8	.0	.0	.0	.0	.0	.0	.0
.4	1.1	4.0	.9	.0	.0	.0	.4	.0	.0
1.8	9.2	51.7	16.9	.3	.8	.4	.0	.0	.8
.0	1.1	6.8	2.8	.0	.0	.0	.0	.0	.0
2.2	11.4	63.2	20.6	.3	.8	.4	.4	.0	.8

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	91	90	87	83	80	77	77	83.4	54
06&09	84	83	83	81	78	77	77	81.2	74
12&15	83	82	82	81	78	76	76	80.6	86
18&21	88	87	85	82	79	75	75	82.4	64
TOT	91	87	85	82	78	76	75	81.7	278

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	5.7	22.6	47.2	22.6	1.9	74	53
06&09	.0	1.5	7.5	46.3	21.3	13.4	79	67
12&15	.0	.0	7.4	44.4	42.0	6.2	80	81
18&21	.0	.0	26.3	52.6	17.5	3.5	75	57
TOT	0	4	38	122	77	17	77	258

PERIOD: (PRIMARY) 1958-1977
(OVER-ALL) 1884-1977

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
9/10	.0	.0	.0	.4	.0	1	.0	.4
7/8	.0	.0	.0	.4	.0	1	.0	.4
6	.0	.0	.0	.0	.4	1	.0	.4
5	.0	.0	.4	.4	.0	2	.0	.8
4	.0	.0	.4	.4	.4	3	.0	1.2
3	.0	.4	2.0	2.0	.0	11	.0	4.5
2	.0	.0	3.7	1.6	.0	13	.0	5.3
1	.0	.4	7.4	.4	.0	20	.0	8.2
0	.0	2.0	12.7	.8	.0	38	.0	15.6
-1	.0	7.0	18.9	.8	.0	65	.0	26.6
-2	.0	4.9	10.7	.0	.0	38	.0	15.6
-3	.0	4.1	5.7	.0	.0	24	.0	9.8
-4	.0	1.2	3.3	.0	.0	11	.0	4.5
-5	.4	2.0	1.6	.0	.0	10	.0	4.1
-6	.4	.4	.0	.0	.0	2	.0	.8
-7/-8	.0	.8	.0	.0	.0	2	.0	.8
-9/-10	.4	.4	.0	.0	.0	2	.0	.8
TOTAL	3	58	163	18	2	244	0	244
PCT	1.2	23.8	66.8	7.4	.8	100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.0	.0	.0	.0	.0	2.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.0	.0	.0	.0	.0	2.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.2	.0	.0	.0	.0	.2
1-2	.7	5.2	.8	.0	.0	.0	6.7
3-4	.0	1.8	.2	.0	.0	.0	2.0
5-6	.0	.7	1.3	.0	.0	.0	2.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	7.9	2.3	.0	.0	.0	10.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.0	.5	.0	.0	.0	1.5
1-2	.0	16.9	6.4	.0	.0	.0	23.3
3-4	.0	8.9	12.9	.0	.0	.0	21.8
5-6	.0	1.3	10.7	.0	.0	.0	12.1
7	.0	.7	2.3	.7	.0	.0	3.7
8-9	.0	2.7	.7	.0	.0	.0	3.4
10-11	.0	.0	.7	.0	.0	.0	.7
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	31.5	34.2	.7	.0	.0	66.4

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.2	.2	.0	.0	.0	.3
1-2	.0	2.7	2.9	.0	.0	.0	5.5
3-4	.0	2.9	7.7	.0	.0	.0	10.6
5-6	.0	.0	.7	.0	.0	.0	.7
7	.0	.0	.3	.0	.0	.0	.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.7	11.7	.0	.0	.0	17.4

PERIOD: (OVER-ALL) 1963-1977 MAY AREA 0008 MARQUESAS ISLANDS 9.6S 138.9W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.7
3-4	.0	.5	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.5	.0	.0	.0	.0	.5	.0	.7	.0	.0	.0	.0	.7

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.7	.0	.0	.0	.0	.7	.0	.7	.0	.0	.0	.0	.7	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.7	.0	.0	.0	.0	.7	.0	.7	.0	.0	.0	.0	.7	99.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.7	1.3	.7	.0	.0	.0	2.7	
1-2	1.3	28.7	10.0	.0	.0	.0	40.0	
3-4	.0	14.0	20.7	.0	.0	.0	34.7	
5-6	.0	2.0	12.7	.0	.0	.0	14.7	
7	.0	.7	2.7	.7	.0	.0	4.0	
8-9	.0	2.7	.7	.0	.0	.0	3.3	
10-11	.0	.0	.7	.0	.0	.0	.7	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.0	49.3	48.0	.7	.0	.0	100.0	150

PERIOD: (OVER-ALL) 1951-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.3	12.6	15.2	6.3	1.8	2.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	95	4
6-7	.0	2.2	13.5	9.9	4.9	1.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	72	4
8-9	.0	.9	2.7	4.0	4.0	1.8	3.1	.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	40	7
10-11	.0	.4	.0	.9	1.3	.0	.0	.0	.9	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	9	10
12-13	.0	.0	.0	.0	.0	.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	9
>13	.0	.0	.0	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	6
INVET	.9	.0	.4	.9	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	5
TOTAL	5	36	71	50	29	15	9	4	0	0	0	0	1	0	0	0	0	0	0	228	5
PCT	2.2	16.1	31.8	22.4	13.0	6.7	4.0	1.8	1.8	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1957-1977
(OVER-ALL) 1879-1977

AREA 0008 MARQUESAS ISLANDS
9.7S 138.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	1.1	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	98.9
E	.7	1.9	.7	.0	.0	.0	.0	3.3	1.5	.0	.4	.0	.0	.0	.7	94.1
SE	2.3	2.9	2.3	.0	.0	.0	.0	7.4	2.3	.0	1.1	.0	.0	.0	.0	89.1
S	25.0	.0	.0	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0	.0	75.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	50.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0	.0	.0	50.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	1.4	2.4	1.0	.0	.0	.0	.0	4.8	1.4	.0	.5	.0	.0	.5	92.9
TOT OBS:	210															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE									OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	1.7	1.7	.0	.0	.0	.0	.0	3.4	1.7	.0	.0	.0	.0	.0	.0	96.9
06&09	2.0	5.9	2.0	.0	.0	.0	.0	9.8	.0	.0	2.0	.0	.0	.0	.0	88.2
12&15	.0	3.4	1.7	.0	.0	.0	.0	5.2	3.4	.0	.0	.0	.0	.0	1.7	89.7
18&21	2.0	2.0	.0	.0	.0	.0	.0	4.1	.0	.0	.0	.0	.0	.0	.0	95.9
TOT PCT	1.4	3.2	.9	.0	.0	.0	.0	5.5	1.4	.0	.5	.0	.0	.5		92.2
TOT OBS:	217															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.2	.3	.0	.0	.0		.5	11.0	.0	.0	1.0	.0	.0	.0	1.8	.0
NE	.1	4.9	5.0	.0	.0	.0		10.0	11.7	13.8	.0	6.4	.0	8.9	.0	6.0	33.3
E	.7	24.7	35.9	1.3	.4	.0		63.0	12.4	62.9	.0	66.2	89.0	60.1	50.0	69.0	37.5
SE	.4	12.5	9.3	.4	.0	.0		22.6	10.7	20.0	.0	22.5	19.0	27.8	50.0	17.9	25.0
S	.0	.9	1.1	.0	.0	.0		1.9	9.2	1.7	.0	2.0	.0	1.6	.0	2.4	4.2
SW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.4	.4	.0	.0	.0	.0		.9	4.0	1.7	.0	2.0	.0	.0	.0	.0	.0
NW	.0	.0	.1	.0	.0	.0		.1	15.0	.0	.0	.0	.0	.0	.0	.6	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.9							.9	.0	.0	.0	.0	.0	1.6	.0	2.4	.0
TOT OBS	6	102	121	4	1	0	234		11.7	60	0	51	5	62	2	42	12
TOT PCT	2.6	43.6	51.7	1.7	.4	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.2	.3	.0	.0	.0		.5	11.0	.0	.9	.0	1.4
NE	1.0	7.6	1.5	.0	.0		10.0	11.7	13.8	5.8	8.6	12.0
E	5.6	47.3	8.9	1.3	.0		63.0	12.4	62.9	67.9	59.8	62.0
SE	4.8	15.0	2.9	.0	.0		22.6	10.7	20.0	21.9	28.5	19.4
S	.4	1.5	.0	.0	.0		1.9	9.2	1.7	1.8	1.6	2.8
SW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
W	.9	.0	.0	.0	.0		.9	4.0	1.7	1.8	.0	.0
NW	.0	.1	.0	.0	.0		.1	15.0	.0	.0	.0	.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.9						.9	.0	.0	.0	1.6	1.9
TOT OBS	32	168	31	3	0	234		11.7	60	56	64	54
TOT PCT	13.7	71.8	13.2	1.3	.0		100.0		100.0	100.0	100.0	100.0

JUNE

PERIOD: (PRIMARY) 1957-1977
(OVER-ALL) 1875-1977

AREA 0008 MARQUESAS ISLANDS
9.7S 138.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00604	.0	3.3	33.3	61.7	1.7	.0	.0	12.3	100.0	60
06609	.0	.0	53.6	44.6	1.8	.0	.0	11.1	100.0	56
12615	1.6	1.6	51.6	43.8	1.6	.0	.0	10.9	100.0	64
18624	1.9	1.9	35.2	57.4	1.9	1.9	.0	12.5	100.0	54
TOT	2	4	102	121	4	1	0	11.7		234
PCT	.9	1.7	43.6	51.7	1.7	.4	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.6		8.0
NE	3.9	2.6	3.1	.2		3.4
E	31.8	20.5	9.7	2.0		2.9
SE	7.6	7.2	5.6	1.0		3.4
S	.0	.5	1.0	.5		5.5
SW	.0	.0	.0	.0		.0
W	.0	.0	1.0	.0		6.0
NW	.0	.0	.0	.1		8.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.5	.5	.0		5.5
TOT OBS	87	63	42	9	201	3.2
TOT PCT	43.3	31.3	20.9	4.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.4	.0	.0	.2	.0	.0	.0	
NE	.0	.0	.1	.0	1.0	.0	.5	.2	.0	.0	8.0	
E	.0	.0	.4	.9	3.6	1.7	1.0	.0	.0	.4	56.1	
SE	.0	.0	.0	1.6	1.9	1.7	.0	.0	.0	.1	16.0	
S	.0	.0	.0	.0	1.0	.5	.0	.0	.0	.0	.5	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.5	.0	.5	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	
TOT OBS	0	0	2	5	17	8	4	1	0	1	163	201
TOT PCT	.0	.0	1.0	2.5	8.5	4.0	2.0	.5	.0	.5	81.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) • OR >10	• OR >5	• OR >2	• OR >1	• OR >1/2	• OR >1/4	• OR >50YD	• OR >0
• OR >6500	.5	.5	.5	.5	.5	.5	.5	.5
• OR >4000	.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
• OR >3500	2.0	2.4	2.9	2.9	2.9	2.9	2.9	2.9
• OR >2000	4.9	5.9	6.3	6.8	6.8	6.8	6.8	6.8
• OR >1000	12.7	14.6	15.1	15.6	15.6	15.6	15.6	15.6
• OR >600	15.6	17.6	18.0	18.5	18.5	18.5	18.5	18.5
• OR >300	16.1	18.5	19.0	19.5	19.5	19.5	19.5	19.5
• OR >150	16.1	18.5	19.0	19.5	19.5	19.5	19.5	19.5
• OR > 0	16.1	18.5	19.0	19.5	19.5	19.5	19.5	19.5
TOTAL	33	38	39	40	40	40	40	40

TOTAL NUMBER OF OBS: 205 PCT FREQ NH <5/8: 80.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
4.3	21.6	26.0	18.8	9.1	8.7	4.8	2.9	3.8	.0	208

JUNE

PERIOD: (PRIMARY) 1957-1977
(OVER-ALL) 1875-1977

AREA 0008 MARQUESAS ISLANDS
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	
2<5	PCP	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.5	
	NO PCP	.0	.0	.5	.0	.0	.0	.0	.0	.0		.5	
	TOT %	.0	.0	.5	.0	.0	.0	.5	.0	.0	.0	1.0	
5<10	PCP	.0	.1	1.2	.1	.0	.0	.0	.0	.0	.0	1.4	
	NO PCP	.6	.2	2.5	1.3	.5	.0	.0	.1	.0		5.2	
	TOT %	.6	.4	3.7	1.4	.5	.0	.0	.1	.0	.0	6.7	
10+	PCP	.0	.0	.5	1.4	.5	.0	.0	.0	.0	.0	2.4	
	NO PCP	.0	10.1	59.0	18.0	1.0	.0	.5	.0	.0	1.0	89.5	
	TOT %	.0	10.1	59.5	19.4	1.4	.0	.5	.0	.0	1.0	91.9	
	TOT OBS												210
	TOT PCT	.6	10.5	64.2	20.8	1.9	.0	1.0	.1	.0	1.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.5	.0	.0	.0	.0	.0	.0		.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	
2<5	0-3	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.5	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.5	.0	.0	.0	.0	.0	.0		.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.5	.0	.0	.0	.5	.0	.0	.0	1.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.2	.2	.6	.8	.0	.0	.0	.0	.0		1.9	
	11-21	.4	.1	3.1	.1	.5	.0	.0	.1	.0		4.3	
	22+	.0	.0	.0	.5	.0	.0	.0	.0	.0		.5	
	TOT %	.6	.4	3.7	1.4	.5	.0	.0	.1	.0	.0	6.7	
10+	0-3	.0	.1	.8	.5	.0	.0	.0	.0	.0	1.0	2.4	
	4-10	.0	4.6	24.0	10.8	1.0	.0	.5	.0	.0		41.0	
	11-21	.0	5.4	32.7	8.1	.5	.0	.0	.0	.0		46.7	
	22+	.0	.0	1.9	.0	.0	.0	.0	.0	.0		1.9	
	TOT %	.0	10.1	59.5	19.4	1.4	.0	.5	.0	.0	1.0	91.9	
	TOT OBS												210
	TOT PCT	.6	10.5	64.2	20.8	1.9	.0	1.0	.1	.0	1.0	100.0	

JUNE

PERIOD: (PRIMARY) 1957-1977
(OVER-ALL) 1879-1977

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	3.6	5.4	5.4	1.8	.0	.0	.0	16.1	83.9	56
06&09	.0	.0	2.1	4.2	6.3	4.2	.0	2.1	.0	2.1	20.8	79.2	48
12&15	.0	.0	.0	1.8	8.8	3.5	3.5	.0	.0	.0	17.5	82.5	57
18&21	.0	.0	2.2	2.2	15.6	2.2	2.2	.0	.0	.0	24.4	79.6	45
TOT	0	0	2	6	18	8	4	1	0	1	40	166	206
PCT	.0	.0	1.0	2.9	8.7	3.9	1.9	.5	.0	.5	19.4	80.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	1.7	1.7	96.6	59
06&09	.0	.0	2.0	.0	9.8	88.2	51
12&15	.0	.0	.0	1.7	8.6	89.7	58
18&21	2.0	.0	.0	.0	6.1	91.8	49
TOT	1	0	1	2	14	199	217
PCT	.5	.0	.5	.9	6.5	91.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	5.5	10.9	83.6	55
06&09	.0	2.1	8.3	12.5	79.2	48
12&15	.0	.0	3.5	15.8	80.7	57
18&21	.0	2.2	4.4	20.0	75.6	45
TOT	0	2	11	30	164	205
PCT	.0	1.0	5.4	14.6	80.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.5	.5	.0	.0	.0	2	.9
85/89	.0	.0	.0	.0	2.3	1.9	.0	.0	9	4.2
80/84	.0	.0	.0	.5	9.3	42.5	15.0	3.3	151	70.6
75/79	.0	.0	.0	.0	.0	8.9	8.9	6.1	51	23.8
70/74	.0	.0	.0	.0	.0	.0	.0	.5	1	.5
TOTAL	0	0.	0	2	26	114	51	21	214	100.0
PCT	.0	.0	.0	.9	12.1	53.3	23.8	9.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.5	.4	.1	.0	.0	.0	.0	.0	.0
.0	.6	3.6	.0	.0	.0	.0	.0	.0	.0
.2	8.6	47.3	13.0	.9	.0	.5	.0	.0	.0
.4	.2	13.2	8.5	.5	.0	.0	.1	.0	.9
.0	.0	.0	.0	.5	.0	.0	.0	.0	.0
.6	9.9	64.5	21.6	1.9	.0	.5	.1	.0	.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	92	91	87	82	79	78	78	82.8	63
06&09	83	82	82	80	77	76	76	80.0	58
12&15	82	81	81	80	78	77	77	79.9	64
18&21	87	86	85	82	75	74	74	81.4	56
TOT	92	87	85	81	78	75	74	81.0	241

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.7	28.3	43.3	20.0	6.7	75	60
06&09	.0	.0	5.7	60.4	24.5	9.4	79	53
12&15	.0	.0	3.2	53.2	33.9	9.7	80	62
18&21	.0	2.2	10.9	54.3	17.4	15.2	78	46
TOT	0	2	27	116	94	22	78	221

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PERIOD: (PRIMARY) 1957-1977
(OVER-ALL) 1875-1977

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	W FOG	WO FOG
7/8	.0	.0	.0	.5	1.0	3	.0	1.5
6	.0	.0	.0	.5	.0	1	.0	.5
5	.0	.0	.0	1.0	.0	2	.0	1.0
4	.0	.0	.0	.5	.0	1	.0	.5
3	.0	.0	2.0	1.5	.0	7	.0	3.5
2	.0	.0	2.5	.0	.0	5	.0	2.5
1	.0	2.0	6.0	.5	.0	17	.0	8.5
0	.0	2.5	13.4	.5	.0	33	.0	16.4
-1	.0	9.5	11.9	.0	.0	43	.0	21.4
-2	.0	11.4	9.0	.0	.0	41	.5	19.9
-3	.0	7.0	2.0	.0	.0	18	.0	9.0
-4	.0	6.0	2.5	.0	.0	17	.0	8.5
-5	.5	1.5	.0	.0	.0	4	.0	2.0
-6	.5	1.0	.0	.0	.0	3	.0	1.5
-7/-8	1.0	.5	.5	.0	.0	4	.0	2.0
-9/-10	.5	.5	.0	.0	.0	2	.0	1.0
TOTAL	5		100		2		1	200
		84		10		201		
PCT	2.5	41.8	49.8	5.0	1.0	100.0	.5	99.5

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.3	2.1	.0	.0	.0	3.4
3-4	.0	.4	1.3	.0	.0	.0	1.7
5-6	.0	.0	.8	.0	.0	.0	.8
7	.0	.0	.2	.0	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.2	.0	.0	.0	.2
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.7	4.6	.0	.0	.0	6.3

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	3.4	.0	.0	.0	.0	3.4
1-2	.0	11.6	10.1	.0	.0	.0	21.8
3-4	.0	8.0	12.4	.8	.0	.0	21.2
5-6	.0	.8	9.5	.0	.0	.0	10.3
7	.0	1.7	4.4	.8	.0	.0	6.9
8-9	.0	.0	1.7	.0	.8	.0	2.5
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.6	.0	.0	.0	.6
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	25.4	38.7	1.7	.8	.0	66.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	.6	.0	.0	.0	.0	1.7
1-2	.0	3.7	1.3	.0	.0	.0	6.9
3-4	.0	4.2	2.3	.8	.0	.0	7.4
5-6	.0	.8	4.0	.0	.0	.0	4.8
7	.0	.0	1.3	.0	.0	.0	1.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	11.4	8.8	.8	.0	.0	22.1

PERIOD: (OVER-ALL) 1963-1977

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.8	1.7	.0	.0	.0	2.5
3-4	.0	.8	.0	.0	.0	.0	.8
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.7	1.7	.0	.0	.0	3.4

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	.0	.0	.0	.0	.0	.8
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	.0	.0	.0	.0	.0	.8

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	99.2

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.9	4.9	.0	.0	.0	.0	9.8	
1-2	.0	18.7	14.6	.0	.0	.0	33.3	
3-4	.0	13.0	15.4	1.6	.0	.0	30.1	
5-6	.0	1.6	13.8	.0	.0	.0	15.4	
7	.0	1.6	5.7	.8	.0	.0	8.1	
8-9	.0	.0	1.6	.0	.8	.0	2.4	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.8	.0	.0	.0	.8	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	4.9	39.8	52.0	2.4	.8	.0	100.0	123

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.8	11.7	19.7	8.1	3.9	.0	.6	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	78	3
6-7	.0	1.1	7.8	10.6	5.0	3.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	31	5
8-9	.0	.6	1.1	4.2	6.1	.6	.0	.0	2.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	8
10-11	.0	.0	2.8	.0	.0	.6	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	5
12-13	.0	.0	1.7	.6	1.1	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	6
>13	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
INDET	1.1	2.2	1.7	1.1	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	4
TOTAL	7	28	57	37	31	8	3	2	8	2	0	0	0	0	0	0	0	0	0	180	5
PCT	3.9	15.6	31.7	20.6	17.2	4.4	1.7	1.1	2.8	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1956-1977
(OVER-ALL) 1912-1977

AREA 0008 MARQUESAS ISLANDS
9.7S 138.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	10.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	90.0
NE	.0	2.2	.0	.0	.0	.0	.0	2.2	4.4	.0	.0	.0	.0	.0	.0	93.5
E	.3	2.6	.0	.0	.0	.0	.0	2.9	3.3	.0	.7	.0	.6	.0	.0	92.5
SE	.9	.4	.0	.0	.0	.0	.0	1.3	2.1	.0	1.3	.0	.0	.0	.0	95.3
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0	.0	50.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.4	4.2	.0	.0	.0	.0	.0	2.6	3.3	.0	.7	.0	.4	.0	.0	93.0
TOT OBS:	271															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	.0	.0	.0	.0	.0	.0	.0	5.1	.0	.0	.0	.0	.0	.0	94.9
06&09	.0	.0	.0	.0	.0	.0	.0	.0	1.5	.0	1.5	.0	.0	.0	.0	97.0
12&15	.0	1.5	.0	.0	.0	.0	.0	1.5	3.1	.0	1.5	.0	.0	.0	.0	93.8
18&21	1.5	7.7	.0	.0	.0	.0	.0	9.2	3.1	.0	.0	.0	1.5	.0	.0	86.2
TOT PCT	.4	2.2	.0	.0	.0	.0	.0	2.5	3.3	.0	.7	.0	.4	.0	.0	93.1
TOT OBS:	275															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)								HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.3	1.8	.3	.0	.0	.0		2.4	5.1	.0	25.0	2.4	.0	4.5	12.5	1.2	.0
NE	.1	4.5	4.3	.1	.0	.0		8.9	11.1	10.6	.0	6.6	3.1	7.8	3.1	11.3	16.1
E	.7	21.3	37.9	4.9	.0	.0		64.8	13.4	70.5	75.0	64.9	65.6	57.8	59.4	64.5	66.1
SE	.5	7.7	10.2	2.4	.0	.0		20.8	13.4	18.9	.0	19.4	31.3	23.9	25.0	21.4	17.9
S	.0	1.2	.0	.0	.0	.0		1.2	7.8	.0	.0	2.4	.0	3.0	.0	.0	.0
SW	.0	.6	.0	.0	.0	.0		.6	6.5	.0	.0	1.4	.0	.0	.0	1.6	.0
W	.0	.2	.0	.0	.0	.0		.2	9.0	.0	.0	.0	.0	1.1	.0	.0	.0
NW	.0	.7	.0	.0	.0	.0		.7	7.2	.0	.0	1.4	.0	1.9	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.3							.3	.0	.0	.0	1.4	.0	.0	.0	.0	.0
TOT OBS	6	119	165	23	0	0	313		12.8	78	4	72	8	67	8	62	14
TOT PCT	1.9	38.0	52.7	7.3	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)							HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	2.1	.3	.0	.0	.0		2.4	5.1	1.2	2.2	5.3	1.0
NE	1.0	7.3	.6	.0	.0		8.9	11.1	10.1	6.3	7.3	12.2
E	5.0	43.3	15.7	.9	.0		64.8	13.4	70.7	65.0	58.0	64.8
SE	1.9	13.3	5.4	.1	.0		20.8	13.4	18.0	20.6	24.0	20.7
S	.6	.6	.0	.0	.0		1.2	7.8	.0	2.2	2.7	.0
SW	.3	.3	.0	.0	.0		.6	6.5	.0	1.3	.0	1.3
W	.0	.2	.0	.0	.0		.2	9.0	.0	.0	1.0	.0
NW	.0	.7	.0	.0	.0		.7	7.2	.0	1.3	1.7	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.3						.3	.0	.0	1.3	.0	.0
TOT OBS	35	207	68	3	0	313		12.8	82	80	75	76
TOT PCT	11.2	66.1	21.7	1.0	.0		100.0		100.0	100.0	100.0	100.0

JULY

PERIOD: (PRIMARY) 1956-1977
(OVER-ALL) 1912-1977

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&04	.0	.0	31.7	59.8	8.5	.0	.0	14.1	100.0	82
06&09	1.3	2.5	42.5	51.3	2.5	.0	.0	11.7	100.0	80
12&15	.0	2.7	40.0	48.0	9.3	.0	.0	12.5	100.0	75
18&21	.0	1.3	38.2	51.3	9.2	.0	.0	12.7	100.0	76
TOT	1	5	119	165	23	0	0	12.8		313
PCT	.3	1.6	38.0	52.7	7.3	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.9	.4	.3	.4		2.9
NE	3.2	2.5	3.2	.4		3.7
E	30.2	17.6	11.6	3.4		3.1
SE	12.4	3.7	4.3	.8		2.9
S	.8	.0	.0	.4		3.6
SW	.0	.0	.4	.4		7.0
W	.0	.0	.0	.0		.0
NW	.8	.0	.0	.0		1.5
VAR	.0	.0	.0	.0		.0
CALM	.4	.0	.0	.0		.0
TOT OBS	123	60	49	15	247	3.1
TOT PCT	49.8	24.3	19.8	6.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.3	.0	.0	.4	.0	.0	2.3	
NE	.0	.0	.0	.1	1.4	.8	.1	.0	.0	.0	7.0	
E	.4	.0	1.4	1.1	3.8	1.8	1.1	.0	.0	.0	53.3	
SE	.0	.0	1.0	.0	2.1	1.0	.0	.0	.0	.0	17.1	
S	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.8	
SW	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	
TOT OBS	1	0	6	5	19	10	3	1	0	0	202	247
TOT PCT	.4	.0	2.4	2.0	7.7	4.0	1.2	.4	.0	.0	81.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.4	.4	.4	.4	.4	.4
* OR >3500	1.2	1.2	1.6	1.6	1.6	1.6	1.6	1.6
* OR >2000	4.8	5.2	5.6	5.6	5.6	5.6	5.6	5.6
* OR >1000	12.0	12.7	13.1	13.5	13.5	13.5	13.5	13.5
* OR >600	13.1	14.3	15.1	15.5	15.5	15.5	15.5	15.5
* OR >300	13.9	16.7	17.5	17.9	17.9	17.9	17.9	17.9
* OR >150	13.9	16.7	17.5	17.9	17.9	17.9	17.9	17.9
* OR > 0	14.3	17.1	17.9	18.3	18.3	18.3	18.3	18.3
TOTAL	36	43	45	46	46	46	46	46

TOTAL NUMBER OF OBS: 251 PCT FREQ NH <5/8: 81.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.9	25.2	24.0	20.9	7.0	5.4	4.3	4.3	5.0	.0	258

JULY

PERIOD: (PRIMARY) 1956-1977
(OVER-ALL) 1912-1977

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.4	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.4	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.1	.3	.0	.0	.0	.0	.0	.0	.0	.4	
	NO PCP	.4	.0	.3	.1	.0	.0	.0	.0	.0	.0	.7	
	TOT %	.4	.1	.6	.1	.0	.0	.0	.0	.0	.0	1.1	
5<10	PCP	.0	.0	.6	.2	.0	.0	.0	.0	.0	.0	.7	
	NO PCP	.0	.0	3.1	1.7	.0	.4	.0	.0	.0	.0	5.2	
	TOT %	.0	.0	3.7	1.8	.0	.4	.0	.0	.0	.0	5.9	
10+	PCP	.3	.1	.7	.0	.0	.0	.0	.0	.0	.0	1.1	
	NO PCP	2.1	8.4	58.5	19.6	1.4	.4	.0	.7	.0	.4	91.5	
	TOT %	2.4	8.5	59.2	19.6	1.4	.4	.0	.7	.0	.4	92.6	
	TOT OBS												271
	TOT PCT	2.8	8.6	63.7	21.7	1.4	.7	.0	.7	.0	.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.4	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.4	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.1	.3	.0	.0	.0	.0	.0	.0	.0	.4	
	4-10	.4	.0	.0	.0	.0	.0	.0	.0	.0		.4	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.3	.1	.0	.0	.0	.0	.0		.4	
	TOT %	.4	.1	.6	.1	.0	.0	.0	.0	.0	.0	1.1	
5<10	0-3	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.4	
	4-10	.0	.0	1.1	.4	.0	.4	.0	.0	.0		1.8	
	11-21	.0	.0	2.3	.6	.0	.0	.0	.0	.0		2.9	
	22+	.0	.0	.0	.7	.0	.0	.0	.0	.0		.7	
	TOT %	.0	.0	3.7	1.8	.0	.4	.0	.0	.0	.0	5.9	
10+	0-3	.4	.0	.0	.4	.0	.0	.0	.0	.0	.4	1.1	
	4-10	1.7	4.0	19.5	7.4	1.4	.4	.0	.7	.0		34.9	
	11-21	.4	4.4	36.7	10.1	.0	.0	.0	.0	.0		49.6	
	22+	.0	.1	5.0	1.9	.0	.0	.0	.0	.0		7.0	
	TOT %	2.4	8.5	59.2	19.8	1.4	.4	.0	.7	.0	.4	92.6	
	TOT OBS												272
	TOT PCT	2.8	8.5	63.7	21.8	1.4	.7	.0	.7	.0	.4	100.0	

JULY

PERIOD: (PRIMARY) 1956-1977
(OVER-ALL) 1912-1977

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	1.4	.0	6.8	4.1	1.4	.0	.0	.0	13.5	86.5	74
06&09	.0	.0	.0	.0	10.0	3.3	.0	.0	.0	.0	13.3	86.7	60
12&15	.0	.0	4.8	4.8	9.5	1.6	3.2	1.6	.0	.0	25.4	74.6	63
18&21	1.7	.0	3.4	3.4	5.2	6.9	.0	.0	.0	.0	20.7	79.3	58
TOT	1	0	6	5	20	10	3	1	0	0	46	209	255
PCT	.4	.0	2.4	2.0	7.8	3.9	1.2	.4	.0	.0	18.0	82.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	2.6	97.4	78
06&09	.0	.0	.0	.0	4.4	95.6	68
12&15	.0	.0	.0	4.6	6.2	89.2	65
18&21	1.5	.0	1.5	.0	10.8	86.2	65
TOT	1	0	1	3	16	255	276
PCT	.4	.0	.4	1.1	5.8	92.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8),BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	1.4	1.4	12.3	86.3	73
06&09	.0	.0	.0	13.8	86.2	58
12&15	.0	4.8	12.9	14.5	72.6	62
18&21	1.7	5.2	10.3	10.3	79.3	58
TOT	1	7	15	32	204	251
PCT	.4	2.8	6.0	12.7	81.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.7	1.7	2.1	.3	.0	14	4.9
80/84	.0	.0	.0	.7	11.1	26.5	8.7	1.4	139	48.4
75/79	.0	.0	.0	.0	2.4	18.5	21.6	3.5	132	46.0
70/74	.0	.0	.0	.3	.0	.0	.0	.3	2	.7
TOTAL	0	0	0	5	44	135	88	15	287	100.0
PCT	.0	.0	.0	1.7	15.3	47.0	30.7	5.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.8	3.6	.5	.0	.0	.0	.0	.0	.0
1.2	5.6	32.1	9.2	.0	.0	.0	.3	.0	.0
1.4	3.0	27.7	10.9	1.3	.7	.3	.4	.0	.3
.0	.3	.0	.3	.0	.0	.0	.0	.0	.0
2.6	9.7	63.3	21.0	1.3	.7	.3	.8	.0	.3

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	88	87	86	82	78	77	77	81.9	85
06&09	82	81	81	79	77	75	75	79.1	80
12&15	81	80	80	78	75	74	74	78.3	75
18&21	86	85	84	80	76	75	75	80.4	77
TOT	88	86	84	80	76	75	74	80.0	317

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	4.9	31.7	43.9	17.1	2.4	73	82
06&09	.0	.0	4.2	47.2	41.7	6.9	80	72
12&15	.0	1.4	5.7	40.0	48.6	4.3	80	70
18&21	.0	.0	19.4	55.2	17.9	7.5	75	67
TOT	0	5	46	135	90	15	77	291

JULY

PERIOD: (PRIMARY) 1956-1977
(OVER-ALL) 1912-1977

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	TOT	W FOG	WO FOG
11/13	.0	.0	.4	.0	1	.0	.4
7/8	.0	.0	.0	.4	1	.0	.4
6	.0	.0	.0	.4	1	.0	.4
5	.0	.0	.4	.4	2	.0	.8
4	.0	.0	1.2	2.0	8	.0	2.2
3	.0	.0	3.6	.4	10	.0	4.0
2	.0	.0	4.0	.8	12	.0	4.8
1	.0	2.4	7.2	.0	24	.0	9.6
0	.0	10.4	7.6	.0	45	.4	17.7
-1	.0	12.9	4.0	.0	42	.0	16.9
-2	.8	14.9	3.2	.0	47	.4	18.5
-3	.4	8.8	.0	.0	23	.0	9.2
-4	.8	4.8	.0	.0	14	.0	5.6
-5	2.0	3.6	.0	.0	14	.0	5.6
-6	.4	.8	.0	.0	3	.0	1.2
-7/-8	.4	.0	.0	.0	1	.0	.4
-9/-10	.4	.0	.0	.0	1	.0	.4
TOTAL	13	146	79	11	249	2	247
PCT	5.2	58.6	31.7	4.4	100.0	.8	99.2

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.6	.0	.0	.0	.0	.6
3-4	.0	.0	.6	.0	.0	.0	.6
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.6	.6	.0	.0	.0	1.2

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.2	1.9	.6	.0	.0	.0	2.3
3-4	.0	2.1	3.0	.2	.0	.0	5.3
5-6	.0	.2	2.0	.0	.0	.0	2.1
7	.0	.0	.6	.0	.0	.0	.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	3.8	6.3	.2	.0	.0	10.4

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.5	7.0	3.7	.0	.0	.0	11.1
3-4	.0	9.6	14.8	1.5	.0	.0	25.9
5-6	.0	1.5	15.1	1.7	.0	.0	18.3
7	.0	.0	4.1	3.7	.0	.0	7.8
8-9	.0	.0	.6	.6	.0	.0	1.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	18.1	38.3	7.5	.0	.0	64.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.6	4.3	.6	.0	.0	.0	5.5
3-4	.0	3.0	3.5	.8	.0	.0	7.3
5-6	.0	.8	4.3	.8	.0	.0	5.8
7	.0	.0	.8	.6	.0	.0	1.4
8-9	.0	.0	1.8	.0	.0	.0	1.8
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	8.1	11.0	2.1	.0	.0	21.8

PERIOD: (OVER-ALL) 1964-1977

JULY

TABLE 18 (CONT)

AREA 0008 MARQUESAS ISLANDS 9.7S 138.9W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.6	.0	.0	.0	.0	.6	.0	.6	.0	.0	.0	.0	.6
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.5	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.1	.0	.0	.0	.0	1.1	.0	.6	.0	.0	.0	.0	.6

	W							NW							TOTAL
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.6	1.2	.0	.0	.0	.0	1.8	
1-2	1.2	13.4	4.9	.0	.0	.0	19.5	
3-4	.0	15.2	22.0	2.4	.0	.0	39.6	
5-6	.0	2.4	21.3	2.4	.0	.0	26.2	
7	.0	.0	5.5	4.3	.0	.0	9.8	
8-9	.0	.0	2.4	.6	.0	.0	3.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.8	32.3	56.1	9.8	.0	.0	100.0	164

PERIOD: (OVER-ALL) 1949-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	8.5	7.5	6.5	5.5	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	60	4
6-7	.0	.5	9.0	11.0	11.0	3.0	2.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	78	6
8-9	.0	.0	1.0	5.5	5.0	3.0	2.5	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	38	7
10-11	.0	.0	.0	1.5	3.5	1.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	7
12-13	.0	.0	.0	1.0	1.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	8
>13	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	.0	1.0	1.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	4
TOTAL	0	20	37	52	53	20	12	1	3	0	0	0	0	0	0	0	0	0	0	200	6
PCT	.0	10.0	18.5	26.0	26.5	10.0	6.0	.5	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1954-1977
(OVER-ALL) 1907-1977

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9.7S 138.8W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
NE	.0	4.5	.0	.0	.0	.0	.0	4.5	2.2	.0	.0	.0	.0		.0	93.3
E	.5	2.3	.0	.0	.0	.0	.0	2.8	2.9	.6	.5	.0	1.0		.0	92.8
SE	.0	2.6	.0	.0	.0	.0	.0	2.3	7.3	.6	.0	.0	.0		.0	90.4
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
TOT PCT	.3	2.4	.0	.0	.0	.0	.0	2.7	3.8	.0	.3	.0	.7		.0	92.4
TOT OBS:	291															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	1.2	1.2	.0	.0	.0	.0	.0	2.4	2.4	.0	.0	.0	1.2		.0	94.1
06609	.0	2.6	.0	.0	.0	.0	.0	2.6	2.6	.0	.0	.0	.0		.0	94.9
12615	.0	1.8	.0	.0	.0	.0	.0	1.8	1.8	.0	.0	.0	.0		.0	96.5
18621	.0	4.1	.0	.0	.0	.0	.0	4.1	8.2	.0	1.4	.0	1.4		.0	84.9
TOT PCT	.3	2.4	.0	.0	.0	.0	.0	2.7	3.8	.0	.3	.0	.7		.0	92.5
TOT OBS:	293															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.0	.2	.0	.0	.0		.2	18.0	.0	.0	.8	.0	.0	.0	.0	.0
NE	.0	2.2	4.0	.4	.0	.0		6.6	13.2	7.2	.0	5.8	.0	6.3	.0	7.8	7.1
E	.0	19.4	45.0	3.8	.0	.0		68.2	13.9	71.5	.0	64.7	75.0	69.1	87.5	64.5	60.7
SE	.6	8.5	14.0	.6	.0	.0		23.8	12.8	21.3	.0	24.7	25.0	23.0	12.5	26.5	25.0
S	.0	.1	.8	.0	.0	.0		.9	14.3	.0	.0	1.9	.0	.0	.0	1.2	7.1
SW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.3							.3	.0	.0	.0	.0	.0	1.6	.0	.0	.0
TOT OBS	3	105	222	17	0	0	347		13.6	94	0	90	5	64	4	83	7
TOT PCT	.9	30.3	64.0	4.9	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)				
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21	
N	.0	.0	.2	.0	.0		.2	18.0	.0	.8	.0	.0	
NE	.4	4.8	1.4	.1	.0		6.6	13.2	7.2	5.5	5.9	7.8	
E	4.1	44.7	18.3	1.0	.0		68.2	13.9	71.5	67.1	70.2	64.2	
SE	.9	17.7	5.2	.1	.0		23.8	12.8	21.3	24.7	22.4	26.4	
S	.1	.5	.3	.0	.0		.9	14.3	.0	1.8	.0	1.7	
SW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	.3						.3	.0	.0	.0	1.5	.0	
TOT OBS	20	235	88	4	0	347		13.6	94	95	68	90	
TOT PCT	5.8	67.7	25.4	1.2	.0		100.0		100.0	100.0	100.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1954-1977
(OVER-ALL) 1907-1977

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	1.1	21.3	72.3	5.3	.0	.0	14.0	100.0	94
06&09	.0	1.1	31.6	63.2	4.2	.0	.0	13.6	100.0	95
12&15	1.5	.0	30.8	59.9	5.9	.0	.0	13.2	100.0	68
18&21	.0	.0	33.3	62.2	4.4	.0	.0	13.4	100.0	90
TOT	1	2	105	222	17	0	0	13.6		347
PCT	.3	.6	30.3	64.0	4.9	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.3	.0	.0	.0		2.0
NE	2.6	1.9	3.1	.2		3.7
E	27.7	25.1	14.2	.9		3.1
SE	8.2	7.6	7.1	.0		3.4
S	.7	.0	.0	.0		1.5
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.3	.0	.0	.0		1.0
TOT OBS	106	92	65	3	266	3.2
TOT PCT	39.8	34.6	24.4	1.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	
NE	.0	.0	.0	.0	.7	1.1	.1	.0	.0	.0	5.9	
E	.0	.0	.4	1.5	3.9	3.8	1.0	.5	.0	.0	57.0	
SE	.0	.0	.0	.8	1.9	1.5	.8	.3	.4	.0	17.4	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	
TOT OBS	0	0	1	6	17	17	5	2	1	0	217	266
TOT PCT	.0	.0	.4	2.3	6.4	6.4	1.9	.8	.4	.0	81.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) • OR >10	• OR >5	• OR >2	• OR >1	• OR >1/2	• OR >1/4	• OR >30YD	• OR >0
• OR >6500	.0	.0	.4	.4	.4	.4	.4	.4
• OR >5000	.7	.7	1.1	1.1	1.1	1.1	1.1	1.1
• OR >3500	1.1	2.6	3.0	3.0	3.0	3.0	3.0	3.0
• OR >2000	5.6	8.6	9.7	9.7	9.7	9.7	9.7	9.7
• OR >1000	10.4	13.8	16.0	16.0	16.0	16.0	16.0	16.0
• OR >600	11.6	16.0	18.3	18.3	18.3	18.3	18.3	18.3
• OR >300	11.9	16.4	18.7	18.7	18.7	18.7	18.7	18.7
• OR >150	11.9	16.4	18.7	18.7	18.7	18.7	18.7	18.7
• OR > 0	11.9	16.4	18.7	18.7	18.7	18.7	18.7	18.7
TOTAL	32	44	50	50	50	50	50	50

TOTAL NUMBER OF OBS: 268

PCT FREQ NH <5/8: 81.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
5.8	19.1	23.5	16.6	16.6	7.6	6.1	3.6	1.1	.0	277

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TABLE 8

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PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.3	
	TOT %	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.3	
2<5	PCP	.0	.3	.3	.0	.0	.0	.0	.0	.0	.0	.7	
	NO PCP	.0	.0	.9	1.5	.0	.0	.0	.0	.0	.0	2.4	
	TOT %	.0	.3	1.3	1.5	.0	.0	.0	.0	.0	.0	3.1	
5<10	PCP	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.0	.7	6.4	1.3	.3	.0	.0	.0	.0	.0	8.6	
	TOT %	.0	.7	6.7	1.3	.3	.0	.0	.0	.0	.0	8.9	
10+	PCP	.0	.0	1.2	.5	.0	.0	.0	.0	.0	.0	1.7	
	NO PCP	.3	6.6	58.8	19.0	.9	.0	.0	.0	.0	.3	85.9	
	TOT %	.3	6.6	60.1	19.5	.9	.0	.0	.0	.0	.3	87.6	
	TOT OBS												291
	TOT PCT	.3	7.6	68.3	22.3	1.1	.0	.0	.0	.0	.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.3	.1	.0	.0	.0	.0	.0		.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.3	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.3	.1	.0	.0	.0	.0	.0		.3	
	11-21	.0	.3	1.0	1.4	.0	.0	.0	.0	.0		2.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.3	1.3	1.5	.0	.0	.0	.0	.0	.0	3.1	
5<10	0-3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	4-10	.0	.0	1.0	.0	.0	.0	.0	.0	.0		1.0	
	11-21	.0	.6	4.5	.9	.3	.0	.0	.0	.0		6.2	
	22+	.0	.1	1.2	.1	.0	.0	.0	.0	.0		1.4	
	TOT %	.0	.7	6.7	1.3	.3	.0	.0	.0	.0	.0	8.9	
10+	0-3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.3	.7	
	4-10	.0	2.9	16.2	6.3	.2	.0	.0	.0	.0		25.1	
	11-21	.3	3.7	41.2	12.3	.7	.0	.0	.0	.0		58.1	
	22+	.0	.4	2.7	.6	.0	.0	.0	.0	.0		3.8	
	TOT %	.3	6.6	60.1	19.5	.9	.0	.0	.0	.0	.3	87.6	
	TOT OBS												291
	TOT PCT	.3	7.6	68.3	22.3	1.1	.0	.0	.0	.0	.3	100.0	

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PERIOD: (PRIMARY) 1954-1977
(OVER-ALL) 1907-1977

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	11.0	4.9	1.2	1.2	.0	.0	18.3	81.7	82
06&09	.0	.0	1.4	2.8	2.8	5.6	4.2	.0	.0	.0	16.7	83.3	72
12&15	.0	.0	.0	.0	1.8	9.1	1.8	1.8	.0	.0	14.5	85.5	55
18&21	.0	.0	.0	6.0	7.5	7.5	.0	.0	1.5	.0	22.4	77.6	67
TOT	0	0	1	6	17	18	5	2	1	0	50	226	276
PCT	.0	.0	.4	2.2	6.2	6.5	1.8	.7	.4	.0	18.1	81.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	1.2	2.4	96.5	85
06&09	.0	.0	1.3	3.8	16.7	78.2	78
12&15	.0	.0	.0	1.8	8.8	89.5	57
18&21	.0	.0	.0	5.5	8.2	86.3	73
TOT	0	0	1	9	26	257	293
PCT	.0	.0	.3	3.1	8.9	87.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NM >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	1.3	17.7	81.0	79
06&09	.0	1.4	10.0	11.4	78.6	70
12&15	.0	.0	1.9	13.5	84.6	52
18&21	.0	.0	10.4	11.9	77.6	67
TOT	0	1	16	37	215	268
PCT	.0	.4	6.0	13.8	80.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.3	.0	.0	.0	.0	1	.3
85/89	.0	.0	.0	.6	.6	.3	.6	.0	7	2.3
80/84	.0	.0	.0	.3	10.3	23.8	8.7	1.9	140	45.0
75/79	.0	.0	.0	.3	2.9	28.9	18.0	1.6	161	51.8
70/74	.0	.0	.0	.0	.0	.0	.3	.3	2	.6
TOTAL	0	0	0	5	43	165	86	12	311	100.0
PCT	.0	.0	.0	1.6	13.8	53.1	27.7	3.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
.0	.4	1.4	.4	.0	.0	.0	.0	.0	.0
.2	3.1	31.4	9.7	.6	.0	.0	.0	.0	.0
.0	2.7	35.3	13.5	.3	.0	.0	.0	.0	.0
.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
.2	6.4	68.5	23.6	.9	.0	.0	.0	.0	.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	91	89	86	80	78	77	77	81.1	91
06&09	82	81	81	79	77	75	75	79.0	94
12&15	82	81	81	78	75	74	74	78.1	86
18&21	91	89	84	80	76	73	73	80.3	89
TOT	91	89	84	79	76	75	73	79.7	340

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	4.5	29.5	48.9	14.8	2.3	73	88
06&09	.0	.0	4.7	62.8	27.9	4.7	79	86
12&15	.0	.0	4.8	52.4	41.3	1.6	78	63
18&21	.0	1.3	13.2	48.7	30.3	6.6	78	76
TOT	0	5	43	167	86	12	77	313

AUGUST

PERIOD: (PRIMARY) 1954-1977
(OVER-ALL) 1907-1977

TABLE 17

AREA 0008 MARQUESAS ISLANDS
9.7S 138.6W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OR FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	N FOG	NO FOG
11/13	.0	.0	.0	.0	.4	1	.0	.4
7/8	.0	.0	.8	.8	.4	5	.0	1.9
6	.0	.0	.4	.0	.4	2	.0	.8
5	.0	.0	.4	.4	.0	2	.0	.8
4	.0	.8	3.5	.4	.0	12	.4	4.3
3	.0	.0	3.1	.0	.0	8	.0	3.1
2	.0	1.9	6.2	.0	.0	21	.0	8.2
1	.0	3.4	3.9	.0	.0	24	.0	9.3
0	.0	11.7	7.8	.0	.0	50	.0	19.5
-1	.4	18.3	3.1	.4	.0	57	.0	22.2
-2	1.2	14.0	1.2	.0	.0	42	.0	16.3
-3	1.6	3.9	.4	.0	.0	15	.0	5.8
-4	.0	2.7	1.2	.0	.0	10	.0	3.9
-5	.0	1.6	.0	.0	.0	4	.0	1.6
-6	.8	.0	.0	.0	.0	2	.0	.8
-7/-8	.4	.4	.0	.0	.0	2	.0	.8
TOTAL	11		82		3		1	256
		156		5		297		
PCT	4.3	60.7	31.9	1.9	1.2	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.7	.8	.0	.0	.0	1.5
3-4	.0	.0	2.7	.6	.0	.0	3.2
5-6	.0	.0	.8	.1	.0	.0	1.0
7	.0	.0	.3	.0	.0	.0	.3
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.7	4.6	.7	.0	.0	6.0

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.7	.6	.0	.0	.0	2.2
1-2	.0	3.1	10.1	.0	.0	.0	13.1
3-4	.0	9.1	13.8	1.5	.0	.0	24.4
5-6	.0	1.4	15.9	.4	.0	.0	17.7
7	.0	.0	6.4	1.7	.0	.0	8.1
8-9	.0	.0	2.2	.0	.0	.0	2.2
10-11	.0	.0	.6	1.1	.0	.0	1.7
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	15.2	49.6	4.7	.0	.0	69.6

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.7	5.4	.0	.0	.0	6.1
3-4	.0	2.7	7.0	.7	.0	.0	10.3
5-6	.0	.8	4.5	.0	.0	.0	5.3
7	.0	.0	1.1	.0	.0	.0	1.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.2	18.0	.7	.0	.0	22.9

PERIOD: (OVER-ALL) 1960-1977 AUGUST AREA 0008 MARQUESAS ISLANDS

TABLE 18 (CONT) 9.7S 138.8W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	1.0	.0	.0	.0	1.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	1.0	.0	.0	.0	1.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	99.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.6	1.7	.6	.0	.0	.0	2.8	
1-2	.0	6.5	17.3	.0	.0	.0	21.8	
3-4	.0	11.7	23.5	2.8	.0	.0	38.0	
5-6	.0	2.2	21.2	.6	.0	.0	24.0	
7	.0	.0	7.8	1.7	.0	.0	9.5	
8-9	.0	.0	2.2	.0	.0	.0	2.2	
10-11	.0	.0	.6	1.1	.0	.0	1.7	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								179
TOT PCT	.6	20.1	73.2	6.1	.0	.0	100.0	

PERIOD: (OVER-ALL) 1960-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.7	9.9	9.1	10.8	3.4	1.3	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	38	4
6-7	.0	.9	5.2	8.6	5.2	2.6	3.4	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	42	6
8-9	.0	.0	.9	6.0	11.2	.0	1.3	.0	.9	.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	32	7
10-11	.0	.4	.0	1.3	1.3	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	7
12-13	.0	.0	.0	1.3	.0	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	7
>13	.0	.0	.0	.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	6
INDET	.0	.0	.9	.9	1.7	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	7
TOTAL	4	26	37	69	54	19	16	2	2	2	1	0	0	0	0	0	0	0	0	232	6
PCT	1.7	11.2	15.9	29.7	23.3	8.2	6.9	.9	.9	.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1955-1977
(OVER-ALL) 1879-1977

AREA 0008 MARQUESAS ISLANDS
9.4S 139.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	.0	.0	.0	.0	90.3
E	.5	1.0	.5	.0	.0	.0	.0	2.0	1.0	.0	.8	.0	.0	.0	.0	95.3
SE	.0	1.7	.0	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	98.3
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.0	.3	.0	.0	.0	.0	1.7	1.4	.0	1.4	.0	.0	.0	.0	95.5
TOT OBS:	288															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00603	1.4	1.4	.0	.0	.0	.0	.0	2.8	.0	.0	.0	.0	.0		.0	97.2
06609	.0	.0	1.1	.0	.0	.0	.0	1.1	.0	.0	2.2	.0	.0		.0	96.6
12615	.0	1.9	.0	.0	.0	.0	.0	1.9	1.9	.0	.0	.0	.0		.0	96.2
18621	.0	1.2	.0	.0	.0	.0	.0	1.2	4.8	.0	2.4	.0	.0		.0	91.7
TOT PCT	.3	1.0	.3	.0	.0	.0	.0	1.7	1.7	.0	1.3	.0	.0		.0	95.3
TOT OBS:	298															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	1.1	.0	.0	.0	.0		1.1	9.7	1.3	.0	.9	.0	.0	.0	1.3	6.3
NE	.0	3.9	5.7	.0	.0	.0		9.6	11.5	11.0	12.5	7.6	12.5	8.7	.0	8.0	23.4
E	.3	17.5	30.7	1.9	.0	.0		70.0	13.1	71.7	75.0	71.2	59.7	69.2	66.7	71.8	60.9
SE	.0	6.5	12.1	.0	.0	.0		18.6	12.8	16.0	12.5	19.2	27.8	20.2	33.3	18.9	9.4
S	.0	.3	.0	.0	.0	.0		.3	5.0	.0	.0	1.2	.0	.0	.0	.0	.0
SW	.0	.3	.0	.0	.0	.0		.3	6.0	.0	.0	.0	.0	1.9	.0	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	1	98	226	5	0	0	330		12.8	75	2	86	18	52	3	78	16
TOT PCT	.3	29.7	68.5	1.5	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	1.1	.0	.0	.0		1.1	9.7	1.3	.7	.0	2.1
NE	1.6	7.0	1.1	.0	.0		9.6	11.5	11.0	8.4	8.2	10.6
E	9.7	55.2	11.1	.0	.0		70.0	13.1	71.8	69.2	69.1	69.9
SE	.5	15.2	3.0	.0	.0		18.6	12.8	15.9	20.7	20.9	17.3
S	.3	.0	.0	.0	.0		.3	5.0	.0	1.0	.0	.0
SW	.3	.0	.0	.0	.0		.3	6.0	.0	.0	1.8	.0
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0						.0	.0	.0	.0	.0	.0
TOT OBS	21	259	50	0	0	330		12.8	77	104	58	94
TOT PCT	6.4	78.5	15.2	.0	.0		100.0		100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	.0	1.3	24.7	72.7	1.3	.0	.0	12.8	100.0	77
06&09	.0	.0	33.7	66.3	.0	.0	.0	12.9	100.0	104
12&15	.0	.0	40.0	58.2	1.8	.0	.0	11.6	100.0	55
18&21	.0	.0	23.4	73.4	3.2	.0	.0	13.4	100.0	94
TOT	0	1	98	226	5	0	0	12.8		330
PCT	.0	.3	29.7	68.5	1.5	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.8	.7	.0	.0		2.4
NE	2.8	3.8	1.7	.4		3.4
E	24.8	29.2	13.7	1.1		3.2
SE	8.7	7.7	3.9	.0		3.0
S	.4	.0	.0	.0		1.0
SW	.0	.4	.0	.0		3.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	99	110	51	4	264	3.2
TOT PCT	37.5	41.7	19.3	1.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	
NE	.0	.0	.0	.0	1.1	.1	.0	.0	.0	.0	7.5	
E	.0	.0	.4	1.9	1.8	6.4	1.4	.0	.0	.0	56.9	
SE	.0	.0	.0	.0	.5	2.2	.9	.0	.0	.0	16.8	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	1	5	9	23	6	0	0	0	220	264
TOT PCT	.0	.0	.4	1.9	3.4	8.7	2.3	.0	.0	.0	83.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
* OR >3500	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
* OR >2000	8.8	10.3	10.7	10.7	10.7	10.7	10.7	10.7
* OR >1000	11.8	13.6	14.3	14.3	14.3	14.3	14.3	14.3
* OR >600	13.6	15.8	16.5	16.5	16.5	16.5	16.5	16.5
* OR >300	13.6	16.2	16.9	16.9	16.9	16.9	16.9	16.9
* OR >150	13.6	16.2	16.9	16.9	16.9	16.9	16.9	16.9
* OR > 0	13.6	16.2	16.9	16.9	16.9	16.9	16.9	16.9
TOTAL	37	44	46	46	46	46	46	46

TOTAL NUMBER OF OBS: 272 PCT FREQ NH <5/8: 83.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.2	10.6	23.7	23.0	16.6	9.9	2.8	3.2	1.1	.0	283

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.3	.6	.4	.0	.0	.0	.0	.0	.0	1.4	
	TOT %	.0	.3	.6	.4	.0	.0	.0	.0	.0	.0	1.4	
5<10	PCP	.0	.0	.7	.3	.0	.0	.0	.0	.0	.0	1.0	
	NO PCP	1.0	1.4	6.1	2.6	.0	.0	.0	.0	.0	.0	11.2	
	TOT %	1.0	1.4	6.8	3.0	.0	.0	.0	.0	.0	.0	12.2	
10+	PCP	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.3	8.1	60.4	16.2	.3	.3	.0	.0	.0	.0	85.7	
	TOT %	.3	8.1	60.8	16.2	.3	.3	.0	.0	.0	.0	86.0	
	TOT OBS												286
	TOT PCT	1.3	9.9	68.5	19.6	.3	.3	.0	.0	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.3	.0	.0	.0	.0	.0	.0		.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.3	.6	.4	.0	.0	.0	.0	.0		1.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.3	.6	.4	.0	.0	.0	.0	.0	.0	1.4	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	1.0	.3	.7	.7	.0	.0	.0	.0	.0		2.8	
	11-21	.0	1.0	6.1	2.3	.0	.0	.0	.0	.0		9.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.0	1.4	6.8	3.0	.0	.0	.0	.0	.0	.0	12.2	
10+	0-3	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	
	4-10	.3	2.5	13.9	6.5	.3	.3	.0	.0	.0		24.8	
	11-21	.0	4.6	44.8	9.7	.0	.0	.0	.0	.0		59.1	
	22+	.0	.0	1.7	.0	.0	.0	.0	.0	.0		1.7	
	TOT %	.3	8.1	60.8	16.2	.3	.3	.0	.0	.0	.0	86.0	
	TOT OBS												286
	TOT PCT	1.3	9.9	68.5	19.6	.3	.3	.0	.0	.0	.0	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	.0	2.8	9.7	2.8	.0	.0	.0	15.3	84.7	72
06&09	.0	.0	1.3	1.3	1.3	6.3	3.8	.0	.0	.0	13.8	86.3	80
12&15	.0	.0	.0	.0	5.8	1.9	1.9	.0	.0	.0	9.6	90.4	52
18&21	.0	.0	.0	6.5	5.2	13.0	.0	.0	.0	.0	24.7	75.3	77
TOT	0	0	1	6	10	23	6	0	0	0	46	235	281
PCT	.0	.0	.4	2.1	3.6	8.2	2.1	.0	.0	.0	16.4	83.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	1.4	.0	9.7	88.9	72
06&09	.0	.0	.0	3.4	15.7	80.9	89
12&15	.0	.0	.0	.0	11.5	88.5	52
18&21	.0	.0	.0	1.2	12.0	86.7	83
TOT	0	0	1	4	37	254	296
PCT	.0	.0	.3	1.4	12.5	85.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NM >4/8),BY HOUR

HOUR (GMT)	<150 <50VD	<600 <1	<1000 <3	1000+ AND5+	NM <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	1.4	15.9	82.6	69
06&09	.0	1.3	6.4	10.3	83.3	78
12&15	.0	.0	.0	10.0	90.0	50
18&21	.0	.0	8.0	17.3	74.7	75
TOT	0	1	12	37	223	272
PCT	.0	.4	4.4	13.6	82.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.3	.3	.0	.0	.0	2	.7
85/89	.0	.0	.0	.3	1.4	2.0	.7	.0	13	4.4
80/84	.0	.0	.0	1.4	11.9	27.9	9.2	1.0	151	51.4
75/79	.0	.0	.0	.0	1.0	25.5	15.0	1.7	127	43.2
70/74	.0	.0	.0	.0	.0	.0	.3	.0	1	.3
TOTAL	0	0	0	6	43	163	74	8	294	100.0
PCT	.0	.0	.0	2.0	14.6	55.4	25.2	2.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.7	.0	.0	.0	.0	.0	.0	.0
.3	.2	3.5	.4	.0	.0	.0	.0	.0	.0
.9	4.7	35.5	10.3	.0	.0	.0	.0	.0	.0
.0	3.6	31.2	7.7	.3	.3	.0	.0	.0	.0
.0	.1	.3	.0	.0	.0	.0	.0	.0	.0
1.3	8.5	71.1	18.5	.3	.3	.0	.0	.0	.0

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	90	89	86	82	79	65	65	81.7	78
06&09	83	82	82	79	76	76	76	79.0	104
12&15	80	79	79	78	76	74	74	77.9	59
18&21	94	87	84	81	78	75	75	81.2	95
TOT	94	87	84	80	77	75	65	80.1	336

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	6.6	14.5	59.2	17.1	2.6	74	76
06&09	.0	.0	5.6	51.7	39.3	3.4	78	89
12&15	.0	.0	1.8	64.3	32.1	1.8	79	56
18&21	.0	1.2	31.3	54.2	10.8	2.4	74	83
TOT	0	6	43	172	75	8	76	304

SEPTEMBER

PERIOD: (PRIMARY) 1955-1977
(OVER-ALL) 1879-1977

AREA 0008 MARQUESAS ISLANDS
9.4S 139.1W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.0	.0	.0	.4	1	.0	.4
9/10	.0	.0	.0	.0	.4	.4	.0	.0	2	.0	.7
7/8	.0	.0	.0	.0	.0	.4	.4	.0	2	.0	.7
6	.0	.0	.0	.7	.7	.4	.0	.0	5	.0	1.9
5	.0	.0	.0	.0	1.1	.4	.0	.0	4	.0	1.5
4	.0	.0	.0	.0	.7	.7	.0	.0	4	.0	1.5
3	.0	.0	.0	.4	2.6	2.2	.0	.0	14	.0	5.2
2	.0	.0	.0	1.1	8.2	.0	.0	.0	25	.4	8.9
1	.0	.0	.0	4.5	6.3	.0	.0	.0	29	.4	10.4
0	.0	.0	.0	6.7	9.7	.0	.0	.0	44	.0	16.4
-1	.0	.0	.7	11.5	4.5	.0	.0	.0	45	.4	16.4
-2	.0	.0	.7	12.3	2.6	.0	.0	.0	42	.4	15.2
-3	.0	.0	.7	10.4	.4	.0	.0	.0	31	.0	11.5
-4	.0	.0	1.1	2.6	.0	.0	.0	.0	10	.0	3.7
-5	.0	.0	.4	2.6	.0	.0	.0	.0	8	.0	3.0
-6	.0	.0	.4	.0	.0	.0	.0	.0	1	.0	.4
-7/-8	.0	.0	.0	.4	.0	.0	.0	.0	1	.0	.4
-11/-13	.4	.0	.0	.0	.0	.0	.0	.0	1	.0	.4
TOTAL	1	0	11	143	100	12	1	1	269	4	265
PCT	.4	.0	4.1	53.2	37.2	4.5	.4	.4	100.0	1.5	98.5

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.5	.0	.0	.0	.0	.5
3-4	.0	.4	.0	.0	.0	.0	.4
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.9	.0	.0	.0	.0	.9

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.4	.0	.0	.0	.5
1-2	.0	1.0	2.1	.0	.0	.0	3.0
3-4	.0	3.2	1.6	.0	.0	.0	4.8
5-6	.0	.5	2.1	.0	.0	.0	2.6
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.8	6.1	.0	.0	.0	10.9

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.7	3.0	.0	.0	.0	3.8
1-2	.5	3.4	19.1	.0	.0	.0	23.0
3-4	.0	4.6	16.1	.5	.0	.0	21.2
5-6	.0	2.4	13.3	1.0	.0	.0	16.7
7	.0	.0	3.5	1.0	.0	.0	4.5
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	11.2	55.1	2.4	.0	.0	69.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.6	.0	.0	.0	.0	.6
1-2	.0	2.9	5.6	.0	.0	.0	8.5
3-4	.0	1.6	3.8	.0	.0	.0	5.4
5-6	.0	.0	2.7	.0	.0	.0	2.7
7	.0	.5	1.3	.0	.0	.0	1.8
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.6	13.4	.0	.0	.0	19.0

PERIOD: (OVER-ALL) 1964-1977

SEPTEMBER

TABLE 18 (CONT)

AREA 0008 MARQUESAS ISLANDS
9.4S 139.1W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	1.5	3.4	.0	.0	.0	4.9	
1-2	.5	8.3	26.7	.0	.0	.0	35.4	
3-4	.0	9.7	21.4	.5	.0	.0	31.6	
5-6	.0	2.9	18.0	1.0	.0	.0	21.8	
7	.0	.5	4.9	1.0	.0	.0	6.3	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
								206
TOT PCT	.5	22.8	74.3	2.4	.0	.0	100.0	

PERIOD: (OVER-ALL) 1950-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	3.2	19.4	10.9	3.6	1.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	96	4
6-7	.0	2.0	9.3	12.5	5.6	2.4	1.6	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	84	5
8-9	.0	1.6	1.6	3.2	5.6	.8	1.6	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	37	6
10-11	.0	.0	.0	2.0	.8	.0	.4	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	7
12-13	.0	.0	.4	.0	.4	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	10
>13	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	10
INDET	.8	.4	.4	2.8	.4	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	5
TOTAL	2	18	77	78	41	11	12	5	4	0	0	0	0	0	0	0	0	0	0	248	5
PCT	.8	7.3	31.0	31.5	16.5	4.4	4.8	2.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1957-1977
(OVER-ALL) 1884-1977

AREA 0008 MARQUESAS ISLANDS
9.6S 139.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.4	.0	.0	.0	.0	.0	.4	1.6	.0	.0	.0	.0	.0	.0	98.0
E	.0	2.1	.0	.0	.0	.0	.0	2.1	3.4	.0	.0	.0	.0	.5	.5	94.1
SE	.0	1.1	2.2	.0	.0	.0	.0	3.2	4.9	.0	.0	.0	.0	.0	.0	92.4
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.5	.3	.0	.0	.0	.0	1.8	3.1	.0	.0	.0	.0	.3	.0	100.0
TOT OBS:	325															94.8

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	2.2	.0	.0	.0	.0	.0	2.2	3.4	.0	.0	.0	.0	.0	.0	94.4
06&09	.0	3.5	.0	.0	.0	.0	.0	3.5	1.9	.0	.0	.0	.0	.0	.0	95.3
12&15	.0	.0	.0	.0	.0	.0	.0	.0	3.9	.0	.0	.0	.0	.0	.0	96.1
18&21	.0	.0	1.1	.0	.0	.0	.0	1.1	4.4	.0	.0	.0	.0	1.1	.0	93.4
TOT PCT	.0	1.5	.3	.0	.0	.0	.0	1.8	3.2	.0	.0	.0	.0	.3	.0	94.7
TOT OBS:	342															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.2	.6	.0	.0	.0		.8	12.2	1.6	.0	.0	.0	.0	.0	1.7	.0
NE	.3	8.9	10.1	.1	.0	.0		19.3	11.4	24.5	.0	16.6	.0	17.4	18.2	23.3	0.9
E	.0	25.4	35.6	2.6	.0	.0		63.7	12.7	64.1	87.5	63.3	81.8	64.5	52.3	59.2	75.0
SE	.3	5.4	8.7	.0	.0	.0		14.4	12.2	7.7	12.5	16.9	18.2	16.7	29.5	14.7	18.1
S	.2	.7	.0	.0	.0	.0		.9	4.8	1.1	.0	3.2	.0	.0	.0	.0	.0
SW	.0	.3	.0	.0	.0	.0		.3	5.0	.0	.0	.0	.0	.0	.0	1.1	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.5							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	5	151	203	10	0	0	369	.5	.0	1.1	.0	.0	.0	1.4	.0	.0	.0
TOT PCT	1.4	40.9	55.0	2.7	.0	.0		100.0	12.2	94	2	77	11	69	11	87	18
										100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.0	.6	.2	.0	.0		.8	12.2	1.6	.0	.0	1.4
NE	2.4	13.2	1.8	.0	.0		19.3	11.4	24.0	14.5	17.5	20.5
E	6.2	44.0	13.2	.3	.0		63.7	12.7	64.6	65.6	62.8	61.9
SE	.5	11.4	2.4	.0	.0		14.4	12.2	7.8	17.0	18.4	15.2
S	.9	.0	.0	.0	.0		.9	4.8	1.0	2.8	.0	.0
SW	.3	.0	.0	.0	.0		.3	5.0	.0	.0	.0	1.0
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.5						.5	.0	1.0	.0	1.3	.0
TOT OBS	40	263	65	1	0	369		12.2	96	88	80	105
TOT PCT	10.8	71.3	17.6	.3	.0		100.0		100.0	100.0	100.0	100.0

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PERIOD: (PRIMARY) 1957-1977
(OVER-ALL) 1884-1977

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00603	4.0	.0	36.5	59.4	3.1	.0	.0	12.4	100.0	96
06609	.0	1.1	48.9	46.6	3.4	.0	.0	11.7	100.0	88
12615	1.3	1.3	50.0	45.0	2.5	.0	.0	11.3	100.0	80
18621	.0	1.0	31.4	65.7	1.9	.0	.0	13.1	100.0	105
TOT	2	3	151	203	10	0	0	12.2		369
PCT	.5	.8	40.9	55.0	2.7	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.5	.5	.0	.0		2.7
NE	6.8	9.1	2.9	1.0		3.3
E	26.3	27.5	9.2	1.0		2.9
SE	3.4	5.5	2.7	1.7		3.9
S	.3	.0	.7	.0		3.2
SW	.0	.0	.0	.3		8.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.7	.0		6.5
TOT OBS	111	127	48	12	298	3.2
TOT PCT	37.2	42.6	16.1	4.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 2999	3000 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
NE	.0	.0	.0	.1	1.3	.8	.3	.0	.0	.0	17.3	
E	.0	.0	.0	.6	2.7	1.4	.6	.0	.0	.0	58.7	
SE	.0	.0	.0	.7	1.1	1.4	.1	.0	.0	.0	10.0	
S	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.3	
SW	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.3	.0	.0	.3	.0	.0	
TOT OBS	0	0	0	4	16	14	3	0	1	0	200	298
TOT PCT	.0	.0	.0	1.3	5.4	4.7	1.0	.0	.3	.0	67.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) • OR >10	• OR >5	• OR >2	• OR >1	• OR >1/2	• OR >1/4	• OR >5OYD	• OR >0
• OR >6500	.3	.3	.3	.3	.3	.3	.3	.3
• OR >9000	.3	.3	.3	.3	.3	.3	.3	.3
• OR >3500	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
• OR >2000	4.4	5.4	6.0	6.0	6.0	6.0	6.0	6.0
• OR >1000	5.7	10.5	11.4	11.4	11.7	11.7	11.7	11.7
• OR >600	6.3	11.7	12.7	12.7	13.0	13.0	13.0	13.0
• OR >300	6.3	11.7	12.7	12.7	13.0	13.0	13.0	13.0
• OR >150	6.3	11.7	12.7	12.7	13.0	13.0	13.0	13.0
• OR > 0	6.3	11.7	12.7	12.7	13.0	13.0	13.0	13.0
TOTAL	20	37	40	40	41	41	41	41

TOTAL NUMBER OF OBS: 315 PCT FREQ NH <5/8: 87.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.7	21.2	22.7	27.3	11.0	4.3	3.4	2.5	4.0	.0	326

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.6	.3	.0	.0	.0	.0	.0	.9	
	TOT %	.0	.0	.0	.6	.3	.0	.0	.0	.0	.0	.9	
5<10	PCP	.0	.1	.7	.2	.0	.0	.0	.0	.0	.0	.9	
	NO PCP	.2	2.2	6.5	2.6	.0	.3	.0	.0	.0	.0	11.8	
	TOT %	.2	2.3	7.2	2.7	.0	.3	.0	.0	.0	.0	12.8	
10+	PCP	.0	.0	.6	.3	.0	.0	.0	.0	.0	.0	.9	
	NO PCP	.7	16.5	56.6	9.8	.8	.0	.0	.0	.0	.6	85.0	
	TOT %	.7	16.5	57.2	10.1	.8	.0	.0	.0	.0	.6	86.0	
	TOT OBS												321
	TOT PCT	.9	18.8	64.5	13.8	1.1	.3	.0	.0	.0	.6	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.3	.0	.0	.0	.0	.0		.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.3	.3	.0	.0	.0	.0		.6	
	11-21	.0	.0	.0	.3	.0	.0	.0	.0	.0		.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.6	.3	.0	.0	.0	.0	.0	.9	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.7	.4	1.1	.0	.3	.0	.0	.0		2.5	
	11-21	.2	1.6	5.9	1.6	.0	.0	.0	.0	.0		9.3	
	22+	.0	.0	.9	.0	.0	.0	.0	.0	.0		.9	
	TOT %	.2	2.3	7.2	2.7	.0	.3	.0	.0	.0	.0	12.8	
10+	0-3	.0	.0	.0	.4	.2	.0	.0	.0	.0	.6	1.2	
	4-10	.2	7.9	29.1	3.0	.5	.0	.0	.0	.0		38.8	
	11-21	.5	8.6	30.6	6.7	.0	.0	.0	.0	.0		46.4	
	22+	.0	.0	1.6	.0	.0	.0	.0	.0	.0		1.6	
	TOT %	.7	16.5	57.2	10.1	.8	.0	.0	.0	.0	.6	86.0	
	TOT OBS												321
	TOT PCT	.9	18.8	64.5	13.8	1.1	.3	.0	.0	.0	.6	100.0	

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PERIOD: (PRIMARY) 1957-1977
(OVER-ALL) 1884-1977

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	2.3	5.7	4.6	.0	.0	.0	.0	12.6	87.4	87
06&09	.0	.0	.0	1.2	7.4	4.9	1.2	.0	.0	.0	14.8	85.2	81
12&15	.0	.0	.0	.0	.0	4.3	.0	.0	1.4	.0	5.8	94.2	69
18&21	.0	.0	.0	1.2	8.3	4.8	2.4	.0	.0	.0	16.7	83.3	84
TOT	0	0	0	4	18	15	3	0	1	0	41	280	321
PCT	.0	.0	.0	1.2	5.6	4.7	.9	.0	.3	.0	12.8	87.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	.0	9.0	91.0	89
06&09	.0	.0	.0	3.5	21.2	75.3	85
12&15	.0	.0	.0	.0	9.6	90.4	73
18&21	.0	1.1	.0	.0	11.0	87.9	91
TOT	0	1	0	3	43	291	338
PCT	.0	.3	.0	.9	12.7	86.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&09	.0	.0	2.3	10.5	87.2	86
06&09	.0	.0	5.3	10.5	84.2	76
12&15	.0	.0	.0	5.8	94.2	69
18&21	.0	1.2	2.4	14.3	83.3	84
TOT	0	1	8	33	274	315
PCT	.0	.3	2.5	10.5	87.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.3	.0	.0	.0	2	.6
85/89	.0	.0	.0	.0	3.6	3.0	.3	.0	23	6.8
80/84	.0	.0	.0	.0	11.2	28.4	10.4	1.5	174	51.5
75/79	.0	.0	.0	.0	.6	22.5	14.8	2.7	137	40.5
70/74	.0	.0	.0	.0	.0	.0	.0	.6	2	.6
TOTAL	0	0	0	1	33	182	86	16	338	100.0
PCT	.0	.0	.0	.3	15.7	53.8	25.4	4.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.6	.0	.0	.0	.0	.0	.0	.0
.0	1.8	3.9	.8	.3	.0	.0	.0	.0	.0
.9	11.8	31.9	9.9	.7	.0	.0	.0	.0	.3
.0	6.5	25.7	7.8	.0	.3	.0	.0	.0	.3
.0	.1	.4	.1	.0	.0	.0	.0	.0	.0
.9	20.1	62.5	14.6	1.0	.3	.0	.0	.0	.6

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	90	89	86	82	79	74	74	82.2	100
06&09	83	82	82	80	77	75	75	79.5	94
12&15	82	81	81	78	76	74	74	78.1	81
18&21	86	85	85	81	77	73	73	80.8	108
TOT	90	87	85	80	76	75	73	80.3	383

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.0	30.9	48.5	17.5	2.1	73	97
06&09	.0	.0	5.9	58.8	29.4	5.9	79	85
12&15	.0	.0	1.3	56.0	38.7	4.0	79	75
18&21	.0	.0	18.4	58.2	17.3	6.1	75	98
TOT	0	1	54	196	88	16	76	355

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PERIOD: (PRIMARY) 1957-1977
(OVER-ALL) 1884-1977

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	% FOG	NO FOG
11/13	.0	.0	.0	.3	.0	1	.0	.3
9/10	.0	.0	.0	.0	.3	1	.0	.3
7/8	.0	.6	.0	.3	.0	3	.0	.9
6	.0	.0	.3	.9	.0	4	.0	1.2
5	.0	.3	.9	1.6	.0	9	.0	2.8
4	.0	.3	2.2	.9	.0	11	.0	3.4
3	.0	1.2	2.8	1.2	.0	17	.0	5.3
2	.0	.6	6.2	.6	.0	24	.0	7.5
1	.0	5.9	6.5	.0	.0	40	.0	12.5
0	.0	7.8	11.2	.0	.0	61	.0	19.0
-1	.3	13.1	4.0	.0	.0	56	.0	17.4
-2	.6	10.3	1.9	.0	.0	41	.0	12.8
-3	1.6	5.9	.6	.0	.0	26	.0	8.1
-4	.9	2.2	.6	.0	.0	12	.0	3.7
-5	1.2	1.6	.0	.0	.0	9	.0	2.8
-6	.6	.6	.0	.0	.0	4	.0	1.2
-7/-8	.6	.0	.0	.0	.0	2	.0	.6
TOTAL	19		120		1		0	321
PCT	5.9	50.5	37.4	5.9	.3	321 100.0		100.0

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.3	.6	.0	.0	.0	.9
3-4	.0	.0	.3	.0	.0	.0	.3
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YDY PCT	.0	.3	.9	.0	.0	.0	1.2

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.1	.0	.0	.0	.6
1-2	.0	2.9	2.9	.0	.0	.0	5.8
3-4	.0	4.0	4.0	.0	.0	.0	8.1
5-6	.0	.4	2.6	.0	.0	.0	3.0
7	.0	.0	.2	.0	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.4	.0	.0	.0	.0	.4
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YDY PCT	.0	8.3	9.8	.0	.0	.0	18.1

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.2	2.3	.0	.0	.0	4.4
1-2	.0	8.7	10.0	.0	.0	.0	18.7
3-4	.0	10.8	15.4	1.2	.0	.0	27.5
5-6	.0	.4	7.9	1.7	.0	.0	9.9
7	.0	.0	2.6	.0	.0	.0	2.6
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YDY PCT	.0	22.1	38.1	2.9	.0	.0	63.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	2.0	.1	.0	.0	.0	2.6
1-2	.0	.9	2.2	.0	.0	.0	3.1
3-4	.0	1.7	4.2	.0	.0	.0	5.9
5-6	.0	.4	2.4	.0	.0	.0	2.8
7	.0	.0	.9	.0	.0	.0	.9
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
YDY PCT	.5	5.0	9.8	.0	.0	.0	15.3

PERIOD: (OVER-ALL) 1968-1977

OCTOBER

TABLE 18 (CONT)

AREA 0008 MARQUESAS ISLANDS
9.0S 139.0W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4						.4
1-2	.7						.7
3-4	.0						.0
5-6	.0						.0
7	.0						.0
8-9	.0						.0
10-11	.0						.0
12	.0						.0
13-16	.0						.0
17-19	.0						.0
20-22	.0						.0
23-25	.0						.0
26-32	.0						.0
33-40	.0						.0
41-48	.0						.0
49-60	.0						.0
61-70	.0						.0
71-86	.0						.0
87+	.0						.0
TOT PCT	1.1						1.4

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.4	.0	.0	.0	.0	.4
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.4	.0	.0	.0	.0	.4

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0						.0
1-2	.0						.0
3-4	.0						.0
5-6	.0						.0
7	.0						.0
8-9	.0						.0
10-11	.0						.0
12	.0						.0
13-16	.0						.0
17-19	.0						.0
20-22	.0						.0
23-25	.0						.0
26-32	.0						.0
33-40	.0						.0
41-48	.0						.0
49-60	.0						.0
61-70	.0						.0
71-86	.0						.0
87+	.0						.0
TOT PCT	.0						.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

HGT	PCT	TOTAL PCT
<1	.4	
1-2	.0	
3-4	.0	
5-6	.0	
7	.0	
8-9	.0	
10-11	.0	
12	.0	
13-16	.0	
17-19	.0	
20-22	.0	
23-25	.0	
26-32	.0	
33-40	.0	
41-48	.0	
49-60	.0	
61-70	.0	
71-86	.0	
87+	.0	
TOT PCT	.4	99.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.2	5.7	2.4	.0	.0	.0	9.4	
1-2	.8	13.9	13.9	.0	.0	.0	28.8	
3-4	.0	16.3	23.7	1.2	.0	.0	41.2	
5-6	.0	1.2	12.7	1.6	.0	.0	15.5	
7	.0	.0	3.7	.0	.0	.0	3.7	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.0	37.1	58.0	2.9	.0	.0	100.0	245

PERIOD: (OVER-ALL) 1968-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.7	3.3	22.5	13.0	3.3	.7	1.0	.3												143	6
6-7	.0	.3	7.8	12.1	5.3	2.6	1.6	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	92	5
8-9	.0	.3	1.6	4.6	4.2	2.0	1.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	44	6
10-11	.0	.3	.3	.7	.0	.0	1.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	6
12-13	.0	.0	.0	.7	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	7
>13	.0	.0	.0	.7	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
INDET	.0	.0	.0	.7	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	3
TOTAL	.7	2.0	1.3	1.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	306	4
PCT	.7	7.8	33.7	34.0	11.8	5.6	4.2	1.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	5

NOVEMBER

PERIOD: (PRIMARY) 1953-1977
(OVER-ALL) 1888-1977

AREA 000M MARQUESAS ISLANDS
9.5S 138.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
N	.0	10.0	.0	.0	.0	.0	.0	10.0	.0	5.0	20.0	.0	.0	.0	.0	65.0
NE	2.3	1.5	.0	.0	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	96.2
E	2.4	1.4	.0	.0	.0	.0	.0	3.7	1.4	.0	.7	.0	.0	.0	.7	93.6
SE	.0	9.3	.0	.0	.0	.0	.0	9.3	.0	.0	.0	.0	.0	.0	.0	90.7
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	66.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	2.1	2.1	.0	.0	.0	.0	.0	4.2	.8	.4	1.3	.0	.0	.4	.0	92.9
TOT OBS:	239															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WO PCPN	FOG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST BLWG SNOW	NO SIG WEA
00&03	.0	3.3	.0	.0	.0	.0	.0	3.3	1.7	.0	.0	.0	.0	1.7	93.3
06&09	5.6	.0	.0	.0	.0	.0	.0	5.6	.0	.0	3.7	.0	.0	.0	.0	90.7
12&15	1.5	4.4	.0	.0	.0	.0	.0	5.9	1.5	1.5	.0	.0	.0	.0	.0	91.2
18&21	1.6	.0	.0	.0	.0	.0	.0	1.6	.0	.0	1.6	.0	.0	.0	.0	96.7
TOT PCT	2.1	2.1	.0	.0	.0	.0	.0	4.1	.8	.4	1.2	.0	.0	.4	.0	93.0
TOT OBS:	243															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.4	1.2	3.0	.0	.0	.0		4.5	12.7	1.4	.0	1.4	30.0	8.2	.0	.0	14.3
NE	.7	11.7	14.1	.0	.0	.0		26.5	11.4	31.2	.0	29.6	7.5	19.9	.0	30.9	26.8
E	.7	24.4	36.3	1.3	.0	.0		62.8	12.0	64.5	100.0	60.6	62.5	61.3	100.0	64.4	55.4
SE	.4	2.6	.8	.1	.0	.0		3.8	9.6	.0	.0	2.8	.0	8.2	.0	4.7	3.6
S	.0	.4	.0	.0	.0	.0		.4	7.0	.0	.0	.0	.0	1.4	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.7	.0	.0	.0	.0	.0		.7	2.0	.0	.0	3.7	.0	.0	.0	.0	.0
NW	.4	.3	.0	.0	.0	.0		.6	5.0	1.4	.0	.0	.0	1.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.7							.7	.0	1.4	.0	1.9	.0	.0	.0	.0	.0
TOT OBS	11	114	153	4	0	0	282		11.5	69	2	54	10	73	1	59	14
TOT PCT	3.9	40.4	54.3	1.4	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.4	3.3	.9	.0	.0		4.5	12.7	1.4	5.9	8.1	2.7
NE	2.7	20.3	3.5	.0	.0		26.5	11.4	30.3	26.2	19.6	30.1
E	6.1	48.9	7.4	.4	.0		62.8	12.0	65.5	60.9	61.8	62.7
SE	.7	2.7	.4	.0	.0		3.8	9.6	.0	2.3	8.1	4.5
S	.0	.4	.0	.0	.0		.4	7.0	.0	.0	1.4	.0
SW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
W	.7	.0	.0	.0	.0		.7	2.0	.0	3.1	.0	.0
NW	.4	.3	.0	.0	.0		.6	5.0	1.4	.0	1.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.7						.7	.0	1.4	1.6	.0	.0
TOT OBS	33	214	34	1	0	282		11.5	71	64	74	73
TOT PCT	11.7	75.9	12.1	.4	.0		100.0		100.0	100.0	100.0	100.0

NOVEMBER

PERIOD: (PRIMARY) 1953-1977
(OVER-ALL) 1888-1977

AREA 0008 MARQUESAS ISLANDS
9.5S 138.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&06	1.4	2.8	38.0	56.3	1.4	.0	.0	12.1	100.0	71
06&12	1.6	6.3	39.1	53.1	.0	.0	.0	11.0	100.0	64
12&18	.0	2.7	50.0	43.2	4.1	.0	.0	11.1	100.0	74
18&21	.0	1.4	34.2	64.4	.0	.0	.0	12.0	100.0	73
TOT	2	9	114	153	4	0	0	11.5		282
PCT	.7	3.2	40.4	54.3	1.4	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.9	.8	.8	.9		4.0
NE	11.6	10.3	4.8	.7		3.0
E	27.1	23.7	10.4	2.1		3.0
SE	1.9	1.3	.9	.9		3.6
S	.0	.0	.0	.0		.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.5	.0		7.0
NW	.5	.0	.0	.0		2.0
VAR	.0	.0	.0	.0		.0
CALM	.5	.0	.5	.0		3.5
TOT OBS	93	79	39	8	219	3.1
TOT PCT	42.5	36.1	17.8	3.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	2.5	
.0	.0	.1	1.9	1.8	.0	.0	.0	.0	.0	24.0	
.0	.0	.8	1.3	2.3	1.4	.9	.5	.0	.0	56.2	
.0	.0	.5	.5	.5	.0	.0	.0	.0	.0	3.2	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.5	
0	0	1	3	4	1	1	0	0	0	100	219
.0	.0	1.4	3.2	5.0	1.4	1.8	.5	.0	.0	86.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >5GYD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.4	.4	.4	.4	.4	.4	.4	.4
* OR >3300	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
* OR >2000	3.1	3.6	3.6	3.6	3.6	3.6	3.6	3.6
* OR >1000	8.1	8.5	8.5	8.5	8.5	8.5	8.5	8.5
* OR >600	10.3	11.2	11.7	11.7	11.7	11.7	11.7	11.7
* OR >300	10.8	11.7	12.6	13.0	13.0	13.0	13.0	13.0
* OR >150	10.8	11.7	12.6	13.0	13.0	13.0	13.0	13.0
* OR > 0	10.8	11.7	12.6	13.0	13.0	13.0	13.0	13.0
TOTAL	24	26	28	29	29	29	29	29

TOTAL NUMBER OF OBS: 223 PCT FREQ NH <5/8: 87.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
5.2	20.4	27.8	25.0	10.4	6.5	3.0	.9	2.6	.0	230

NOVEMBER

PERIOD: (PRIMARY) 1953-1977
(OVER-ALL) 1888-1977

AREA 0008 MARQUESAS ISLANDS
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.1	.3	.0	.0	.0	.0	.0	.0	.0	.4	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.1	.3	.0	.0	.0	.0	.0	.0	.0	.4	
2<5	PCP	.4	.4	.0	.4	.0	.0	.0	.0	.0	.0	1.3	
	NO PCP	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	1.3	
	TOT %	.4	.4	1.3	.4	.0	.0	.0	.0	.0	.0	2.5	
5<10	PCP	.0	.1	.7	.0	.0	.0	.0	.0	.0	.0	.8	
	NO PCP	1.6	1.6	3.3	.2	.0	.0	.0	.0	.0	.0	6.7	
	TOT %	1.6	1.7	4.1	.2	.0	.0	.0	.0	.0	.0	7.5	
10+	PCP	.0	.4	1.3	.0	.0	.0	.0	.0	.0	.0	1.7	
	NO PCP	2.2	24.7	54.8	3.9	.4	.0	.4	.6	.0	.8	87.9	
	TOT %	2.2	25.1	56.1	3.9	.4	.0	.4	.6	.0	.8	89.5	
	TOT OBS												239
	TOT PCT	4.2	27.3	61.7	4.5	.4	.0	.4	.6	.0	.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.1	.3	.0	.0	.0	.0	.0	.0		.4	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.1	.3	.0	.0	.0	.0	.0	.0	.0	.4	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.4	.0	.4	.0	.0	.0	.0	.0		.8	
	11-21	.4	.0	1.3	.0	.0	.0	.0	.0	.0		1.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.4	.4	1.3	.4	.0	.0	.0	.0	.0	.0	2.5	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.4	.1	1.4	.2	.0	.0	.0	.0	.0		2.1	
	11-21	1.1	1.6	2.7	.0	.0	.0	.0	.0	.0		5.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	1.6	1.7	4.1	.2	.0	.0	.0	.0	.0	.0	7.5	
10+	0-3	.4	.4	.8	.4	.0	.0	.4	.4	.0	.8	3.8	
	4-10	.8	10.4	20.5	2.4	.4	.0	.0	.2	.0		34.6	
	11-21	1.1	14.8	32.9	.9	.0	.0	.0	.0	.0		49.6	
	22+	.0	.0	1.6	.1	.0	.0	.0	.0	.0		1.7	
	TOT %	2.2	25.4	55.8	3.9	.4	.0	.4	.6	.0	.8	89.6	
	TOT OBS												240
	TOT PCT	4.2	27.6	61.5	4.5	.4	.0	.4	.6	.0	.8	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1953-1977
(OVER-ALL) 1880-1977

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 449	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	1.7	1.7	5.1	1.7	3.4	1.7	.0	.0	15.3	84.7	59
06&09	.0	.0	2.0	6.1	2.0	.0	4.1	.0	.0	.0	14.3	85.7	49
12&15	.0	.0	1.5	3.1	3.1	.0	.0	.0	.0	.0	7.7	92.3	65
18&21	.0	.0	.0	1.8	8.9	3.6	.0	.0	.0	.0	14.3	85.7	56
TOT	0	0	3	7	11	3	4	1	0	0	29	200	229
PCT	.0	.0	1.3	3.1	4.8	1.3	1.7	.4	.0	.0	12.7	87.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	5.0	3.3	91.7	60
06&09	.0	.0	1.9	1.9	13.0	83.3	54
12&15	.0	.0	.0	2.9	5.9	91.2	68
18&21	.0	.0	.0	.0	9.7	90.3	62
TOT	0	0	1	6	19	218	244
PCT	.0	.0	.4	2.5	7.8	89.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	1.7	6.9	12.1	81.0	58
06&09	.0	2.1	10.6	6.4	83.0	47
12&15	.0	1.6	4.8	3.2	92.1	63
18&21	.0	.0	1.8	12.7	85.5	55
TOT	0	3	13	19	191	223
PCT	.0	1.3	5.8	8.5	85.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.0	.0	.4	.0	3	1.2
85/89	.0	.0	.8	.8	4.4	.8	1.2	.4	21	8.4
80/84	.6	.0	.0	.0	10.4	29.2	9.2	.8	124	49.6
75/79	.0	.0	.0	.0	1.6	19.2	18.0	1.6	101	40.4
70/74	.6	.0	.0	.0	.0	.0	.0	.4	1	.4
TOTAL	0	0	2	4	41	123	72	8	250	100.0
PCT	.0	.0	.8	1.6	16.4	49.2	28.8	3.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.1	.3	.4	.0	.0	.0	.0	.0	.4
.0	3.1	4.8	.1	.0	.0	.0	.4	.0	.0
.8	10.5	30.8	1.1	.0	.0	.0	.0	.0	.4
2.7	7.9	25.6	2.7	.4	.0	.8	.3	.0	.0
.0	.1	.3	.0	.0	.0	.0	.0	.0	.0
3.5	27.7	61.8	4.3	.4	.0	.8	.7	.0	.8

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	90	89	88	82	79	76	76	82.7	71
06&09	88	87	83	79	77	74	74	79.6	64
12&15	84	83	81	78	76	76	76	78.6	78
18&21	90	89	86	81	78	77	77	81.6	74
TOT	90	89	86	80	77	76	74	80.6	287

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	4.4	32.4	38.2	20.6	4.4	73	68
06&09	.0	1.9	5.8	67.3	21.2	3.8	76	52
12&15	.0	.0	5.5	52.1	38.4	4.1	80	73
18&21	.0	2.2	21.0	41.9	32.3	1.6	73	62
TOT	0	6	42	125	73	9	76	255

NOVEMBER

PERIOD: (PRIMARY) 1953-1977
(OVER-ALL) 1880-1977

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	# FOG	WO FOG
9/10	.0	.0	.0	.0	1.4	3	.0	1.4
7/8	.0	.0	.0	.0	.5	1	.0	.5
6	.0	.0	.0	.9	.0	2	.0	.9
5	.0	.0	1.8	.9	.0	6	.0	2.7
4	.0	.5	3.7	2.3	.0	14	.0	6.4
3	.0	.0	2.7	.9	.0	8	.0	3.7
2	.0	.0	5.5	.5	.0	13	.0	5.9
1	.5	1.8	6.8	.9	.5	23	.0	10.5
0	.5	9.1	7.8	.5	.0	39	.5	17.4
-1	.0	12.3	7.8	.5	.0	45	.0	20.5
-2	.0	11.0	.9	.0	.0	26	.5	11.4
-3	.5	6.4	.0	.0	.0	15	.0	6.8
-4	.0	5.0	.0	.0	.0	11	.5	6.6
-5	.0	1.8	.5	.0	.0	5	.0	2.3
-6	.0	.5	.0	.0	.0	1	.0	.5
-7/-8	.5	2.3	.5	.0	.0	7	.0	3.2
TOTAL	4	111	83	16	3	219	3	216
PCT	1.8	50.7	37.9	7.3	2.3	100.0	1.4	98.6

PERIOD: (OVER-ALL) 1968-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	.0	.0	.0	.0	.0	.7
1-2	.0	.0	.7	.0	.0	.0	.7
3-4	.0	.0	1.9	.0	.0	.0	1.9
5-6	.0	.0	.5	.0	.0	.0	.5
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	.0	3.1	.0	.0	.0	3.7

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.7	3.6	2.6	.0	.0	.0	8.8
3-4	.0	5.8	10.0	.0	.0	.0	15.8
5-6	.0	1.5	6.5	.0	.0	.0	8.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	12.9	19.0	.0	.0	.0	32.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	.7	.0	.0	.0	.0	1.4
1-2	.0	9.2	5.6	.0	.0	.0	14.8
3-4	.0	9.0	13.8	.7	.0	.0	23.5
5-6	.0	.5	12.6	.7	.0	.0	13.8
7	.0	.0	2.0	.7	.0	.0	2.7
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	19.4	34.0	2.0	.0	.0	56.1

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.7	.7	.0	.0	.0	.0	1.4
1-2	.0	.9	.7	.0	.0	.0	1.5
3-4	.0	.9	.2	.0	.0	.0	1.0
5-6	.0	.7	.2	.0	.0	.0	.9
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	3.1	1.0	.0	.0	.0	4.8

PERIOD: (OVER-ALL) 1963-1977

NOVEMBER

TABLE 1e (CONT)

AREA 0008 MARQUESAS ISLANDS 9.5S 138.9W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.7	.0	.0	.0	.0	.7
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.7	.0	.0	.0	.0	.7

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.7	.0	.0	.0	.0	.0	.7	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.7	.0	.0	.0	.0	.0	.7	98.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.4	1.4	.0	.0	.0	.0	4.7	
1-2	2.0	15.5	9.5	.0	.0	.0	27.0	
3-4	.0	10.2	25.7	.7	.0	.0	42.6	
5-6	.0	2.7	19.6	.7	.0	.0	23.0	
7	.0	.0	2.0	.7	.0	.0	2.7	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	5.4	35.8	56.8	2.0	.0	.0	100.0	148

PERIOD: (OVER-ALL) 1950-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.0	4.9	21.0	11.7	3.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	87	4
6-7	.0	.5	7.8	10.2	6.8	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	56	5
8-9	.0	1.5	3.4	5.4	5.4	2.9	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	40	6
10-11	.0	.0	.5	1.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	6
12-13	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
>13	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	.5	.0	3.4	2.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	4
TOTAL	3	14	74	60	37	8	5	1	0	0	0	0	0	0	0	0	0	0	0	205	5
PCT	1.5	6.8	36.1	30.7	18.0	3.9	2.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1957-1977
(OVER-ALL) 1875-1977

AREA 0008 MARQUESAS ISLANDS
9.8S 138.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	4.2	.0	.0	.0	.0	.0	4.2	9.7	.0	.0	.0	.0		.0	86.1
NE	1.5	.0	.0	.0	.0	.0	.0	1.5	3.5	.0	.0	.0	.0		.0	95.0
E	.0	1.7	.0	.0	.0	.0	.0	1.7	.8	.0	.8	.0	.0		.0	96.6
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
NW	25.0	6.8	.0	.0	.0	.0	.0	31.3	.0	.0	.0	.0	.0		.0	68.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	100.0
TOT PCT	.9	1.3	.0	.0	.0	.0	.0	2.2	2.2	.0	.4	.0	.0		.0	95.1
TOT OBS:	224															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.0	1.6	.0	.0	.0	.0	.0	1.6	1.6	.0	.0	.0	.0		.0	96.7
06&09	.0	1.7	.0	.0	.0	.0	.0	1.7	.0	.0	1.7	.0	.0		.0	96.6
12&15	.0	2.0	.0	.0	.0	.0	.0	2.0	3.9	.0	.0	.0	.0		.0	94.1
18&21	3.3	.0	.0	.0	.0	.0	.0	3.3	3.3	.0	.0	.0	.0		.0	93.3
TOT PCT	.9	1.3	.0	.0	.0	.0	.0	2.2	2.2	.0	.4	.0	.0		.0	95.2
TOT OBS:	231															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)							
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.3	4.7	2.8	.0	.0	.0		7.9	10.3	9.9	.0	3.4	6.9	8.7	.0	9.9	12.5
NE	.9	11.9	14.6	.4	.0	.0		27.8	11.3	24.6	37.5	33.8	31.8	31.7	56.3	19.0	25.0
E	.0	44.0	30.7	.4	.0	.0		55.1	11.7	62.1	45.8	54.4	52.3	48.1	43.8	58.2	50.0
SE	.0	2.6	2.5	.0	.0	.0		5.1	11.0	3.0	.0	5.9	9.1	5.8	.0	5.2	12.5
S	.4	.0	.0	.0	.0	.0		.4	2.0	.0	.0	.0	.0	.0	.0	1.7	.0
SW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	1.1	.5	.0	.0	.0		1.6	10.8	.4	.0	2.5	.0	1.9	.0	2.6	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.0							2.0	.0	.0	16.7	.0	.0	3.8	.0	3.4	.0
TOT OBS	9	110	127	2	0	0	248		11.2	58	6	51	11	52	4	58	8
TOT PCT	3.6	44.4	51.2	.8	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	1.8	5.3	.7	.0	.0		7.9	10.3	9.0	4.0	8.0	10.2
NE	2.9	23.1	1.8	.0	.0		27.8	11.3	25.8	33.5	33.5	19.7
E	5.2	44.6	5.3	.0	.0		55.1	11.7	60.5	54.0	47.8	57.2
SE	1.2	3.4	.5	.0	.0		5.1	11.0	2.7	6.5	5.4	6.1
S	.4	.0	.0	.0	.0		.4	2.0	.0	.0	.0	1.5
SW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NW	.1	1.4	.1	.0	.0		1.6	10.8	.4	2.0	1.8	2.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.0						2.0	.0	1.6	.0	3.6	3.0
TOT OBS	34	193	21	0	0	248		11.2	64	62	56	66
TOT PCT	13.7	77.8	8.5	.0	.0		100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1957-1977
(OVER-ALL) 1875-1977

AREA 0008 MARQUESAS ISLANDS
9.8S 138.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&03	1.6	.0	62.2	36.3	.0	.0	.0	11.3	100.0	64
06&09	.0	.0	54.8	45.2	.0	.0	.0	11.1	100.0	62
12&15	3.6	3.6	46.4	44.6	1.8	.0	.0	10.8	100.0	56
18&21	3.0	3.0	34.8	37.6	1.5	.0	.0	11.0	100.0	66
TOT	5	4	110	107	2	0	0	11.2		248
PCT	2.0	1.6	44.4	51.2	.8	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	3.6	1.5	3.6	.0		3.6
NE	13.3	8.6	5.3	.6		2.9
E	20.1	19.0	12.4	1.5		3.3
SE	2.1	3.1	.8	.0		3.0
S	.0	.0	.5	.0		6.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.2	.9	.2	.5		4.8
VAR	.0	.0	.0	.0		.0
CALM	1.9	.5	.0	.0		2.0
TOT OBS	87	71	48	5	211	3.2
TOT PCT	41.2	33.6	22.7	2.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.8	1.2	.5	.0	.0	.0	.0	6.4	
NE	.0	.0	.0	.0	2.1	.5	.9	.2	.0	.0	24.1	
E	.0	.0	.5	1.4	2.6	3.2	.5	.2	.0	.0	44.4	
SE	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	9.9	
S	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	1.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	
TOT OBS	0	0	1	4	15	9	3	1	0	0	178	211
TOT PCT	.0	.0	.5	1.9	7.1	4.3	1.4	.5	.0	.0	84.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
* OR >5000	.5	.5	.5	.5	.5	.5	.5	.5
* OR >3500	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
* OR >2000	5.1	6.0	6.0	6.0	6.0	6.0	6.0	6.0
* OR >1000	10.6	12.5	13.0	13.0	13.0	13.0	13.0	13.0
* OR >600	11.6	13.9	14.8	14.8	14.8	14.8	14.8	14.8
* OR >300	12.0	14.4	15.3	15.3	15.3	15.3	15.3	15.3
* OR >150	12.0	14.4	15.3	15.3	15.3	15.3	15.3	15.3
* OR > 0	12.5	14.8	15.7	15.7	15.7	15.7	15.7	15.7
TOTAL	27	32	34	34	34	34	34	34

TOTAL NUMBER OF OBS: 210 PCT FREQ NH <5/8: 84.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
6.8	21.2	25.7	17.6	12.6	7.7	5.0	1.8	1.8 .0	222

DECEMBER

PERIOD: (PRIMARY) 1957-1977
(OVER-ALL) 1875-1977

AREA 0008 MARQUESAS ISLANDS
9.8S 138.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.3	.0	.0	.0	.0	.0	.0	.1	.0	.0	.4	
	NO PCP	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4	
	TOT %	.3	.0	.4	.0	.0	.0	.0	.1	.0	.0	.9	
5<10	PCP	.0	.4	.4	.0	.0	.0	.0	.0	.0	.0	.9	
	NO PCP	.8	3.6	2.6	.6	.0	.0	.0	.1	.0	.4	8.0	
	TOT %	.8	4.0	3.0	.6	.0	.0	.0	.1	.0	.4	8.9	
10+	PCP	.0	.0	.4	.0	.0	.0	.0	.4	.0	.0	.9	
	NO PCP	6.9	25.0	49.0	5.0	.4	.0	.0	1.1	.0	1.8	89.3	
	TOT %	6.9	25.0	49.4	5.0	.4	.0	.0	1.6	.0	1.8	90.2	
	TOT OBS												224
	TOT PCT	8.0	29.0	52.9	5.6	.4	.0	.0	1.8	.0	2.2	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.3	.0	.4	.0	.0	.0	.0	.1	.0		.9	
	11-21	.0	.0	.4	.0	.0	.0	.0	.0	.0		.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.3	.0	.9	.0	.0	.0	.0	.1	.0	.0	1.3	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	
	4-10	.0	.9	1.3	.0	.0	.0	.0	.0	.0		2.2	
	11-21	.8	2.7	1.7	.6	.0	.0	.0	.1	.0		5.8	
	22+	.0	.4	.0	.0	.0	.0	.0	.0	.0		.4	
	TOT %	.8	4.0	3.0	.6	.0	.0	.0	.1	.0	.4	8.8	
10+	0-3	.0	.9	.0	.0	.4	.0	.0	.0	.0	1.8	3.1	
	4-10	4.5	11.2	20.6	2.9	.0	.0	.0	1.1	.0		40.3	
	11-21	2.3	12.7	28.3	2.2	.0	.0	.0	.4	.0		46.0	
	22+	.0	.0	.4	.0	.0	.0	.0	.0	.0		.4	
	TOT %	6.9	24.8	49.3	5.1	.4	.0	.0	1.5	.0	1.8	89.8	
	TOT OBS												226
	TOT PCT	8.0	28.8	53.2	5.6	.4	.0	.0	1.8	.0	2.2	100.0	

DECEMBER

PERIOD: (PRIMARY) 1957-1977
(OVER-ALL) 1875-1977

AREA 0008 MARQUESAS ISLANDS
9.8S 138.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.0	.0	3.3	9.8	6.6	.0	1.6	.0	.0	21.3	78.7	61
06&09	.0	.0	.0	.0	1.9	3.7	1.9	.0	.0	.0	7.4	92.6	54
12&15	.0	.0	.0	4.1	6.1	2.0	2.0	.0	.0	.0	14.3	85.7	49
18&21	1.8	.0	1.8	.0	8.9	3.6	1.8	.0	.0	.0	17.9	82.1	56
TOT	1	0	1	4	15	9	3	1	0	0	34	186	220
PCT	.5	.0	.5	1.8	6.8	4.1	1.4	.5	.0	.0	15.5	84.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.0	3.3	8.2	88.5	61
06&09	.0	.0	.0	.0	13.6	86.4	59
12&15	.0	.0	.0	1.9	5.7	92.5	53
18&21	.0	.0	.0	.0	8.3	91.7	60
TOT	0	0	0	3	21	209	233
PCT	.0	.0	.0	1.3	9.0	89.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <30YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.0	4.9	16.4	78.7	61
06&09	.0	.0	.0	7.8	92.2	51
12&15	.0	.0	4.1	10.2	85.7	49
18&21	1.8	3.6	3.6	14.5	81.8	55
TOT	1	2	7	27	182	216
PCT	.5	.9	3.2	12.5	84.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	5.2	1.3	.4	.4	17	7.4
80/84	.0	.0	.0	1.3	12.6	27.8	9.6	3.0	125	54.3
75/79	.0	.0	.0	.0	3.0	20.0	8.7	5.7	86	37.4
70/74	.0	.0	.0	.0	.0	.4	.0	.4	2	.9
TOTAL	0	0	0	3	48	114	43	22	230	100.0
PCT	.0	.0	.0	1.3	20.9	49.6	18.7	9.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.4	1.7	4.7	.5	.0	.0	.0	.0	.0	.0
4.3	14.1	30.0	3.8	.4	.0	.0	.2	.0	1.3
3.3	12.6	18.4	1.2	.0	.0	.0	1.1	.0	.9
.0	.0	.4	.0	.0	.0	.0	.4	.0	.0
8.2	28.5	53.5	5.5	.4	.0	.0	1.7	.0	2.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	91	90	88	82	78	75	75	82.7	67
06&09	83	82	82	79	77	75	75	79.5	68
12&15	84	83	81	78	76	71	71	78.4	56
18&21	88	87	85	82	79	74	74	81.6	68
TOT	91	88	86	81	77	74	71	80.6	259

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	1.6	39.7	39.7	11.1	7.9	73	63
06&09	.0	.0	5.1	37.6	23.7	13.6	79	59
12&15	.0	.0	1.8	63.6	21.8	12.7	80	55
18&21	.0	4.9	31.1	41.0	16.4	6.6	74	61
TOT	0	4	48	119	43	24	76	238

PERIOD: (PRIMARY) 1957-1977
(OVER-ALL) 1875-1977

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9.0S 138.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 / 72	73 / 76	77 / 80	81 / 84	85 / 88	89 / 92	TOT	W FOG	WO FOG
14/16	.0	.0	.0	.0	.5	.0	1	.0	.5
11/13	.0	.0	.0	.0	.5	.0	1	.0	.5
9/10	.0	.0	.0	.0	.0	.5	1	.0	.5
7/8	.0	.0	.0	.0	1.0	.0	2	.0	1.0
6	.0	.0	.0	.5	.0	.0	1	.0	.5
5	.0	.0	.5	1.4	2.9	.0	10	.0	4.8
4	.0	.0	.0	1.4	1.0	.5	6	.0	2.9
3	.0	.0	.0	4.3	1.0	.0	11	.0	5.3
2	.0	.5	.5	4.8	.0	.0	12	.0	5.8
1	.0	.0	2.9	5.8	.0	.0	18	.0	8.7
0	.0	.0	7.7	8.2	.0	.0	33	.0	15.9
-1	.0	.0	12.5	10.1	.0	.0	47	.5	22.1
-2	.0	.0	7.7	2.9	.0	.0	22	.0	10.6
-3	.0	.0	7.2	1.0	.0	.0	17	.0	8.2
-4	.0	1.0	3.4	1.0	.0	.0	11	.0	5.3
-5	.0	.0	2.9	.5	.0	.0	7	.0	3.4
-6	.0	1.0	.0	1.0	.0	.0	4	.0	1.9
-7/-8	.0	1.0	.0	.0	.0	.0	2	.0	1.0
-9/-10	.5	.0	.0	.0	.0	.0	1	.0	.5
-11/-13	.0	.0	.5	.0	.0	.0	1	.0	.5
TOTAL	1	7	95	89	14	2	208	1	207
PCT	.5	3.4	45.7	42.8	6.7	1.0	100.0	.5	99.5

PERIOD: (OVER-ALL) 1963-1977

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.1	.0	.0	.0	.0	1.1
1-2	.0	2.7	.0	.0	.0	.0	2.7
3-4	.0	.6	1.4	.0	.0	.0	2.0
5-6	.0	.6	1.7	.0	.0	.0	2.3
7	.0	.0	1.2	.0	.0	.0	1.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.0	4.3	.0	.0	.0	9.3

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	2.1	.0	.0	.0	.0	2.7
1-2	.0	3.8	3.2	.0	.0	.0	9.0
3-4	.0	3.8	8.3	.0	.0	.0	12.3
5-6	.0	.0	2.4	.0	.0	.0	2.6
7	.0	.0	2.0	.0	.0	.0	2.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	11.7	16.3	.0	.0	.0	28.7

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.5	.0	.0	.0	.0	.5
1-2	.0	12.3	5.6	.0	.0	.0	18.0
3-4	.0	8.4	11.9	.6	.0	.0	20.9
5-6	.0	1.2	8.2	.0	.0	.0	9.5
7	.0	.0	2.1	.0	.0	.0	2.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	22.4	27.9	.6	.0	.0	50.9

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.8	.0	.0	.0	.0	.8
1-2	.0	1.4	.3	.0	.0	.0	1.7
3-4	.0	.0	2.0	.0	.0	.0	2.0
5-6	.0	.6	1.4	.0	.0	.0	2.0
7	.0	.0	.2	.0	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.8	3.8	.0	.0	.0	6.4

PERIOD: (OVER-ALL) 1968-1977

DECEMBER

TABLE 18 (CONT)

AREA 0008 MARQUESAS ISLANDS 9.0S 138.9W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.3	.0	.0	.0	.0	.3	
3-4	.0	.0	.6	.0	.0	.0	.6	
5-6	.0	.6	.2	.0	.0	.0	.8	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.9	.8	.0	.0	.0	1.7	97.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.2	4.2	.0	.0	.0	.0	8.4	
1-2	.6	22.3	9.0	.0	.0	.0	31.9	
3-4	.0	12.7	24.1	.6	.0	.0	37.3	
5-6	.0	8.0	13.9	.0	.0	.0	16.9	
7	.0	.0	5.4	.0	.0	.0	5.4	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	4.8	42.2	52.4	.6	.0	.0	100.0	166

PERIOD: (OVER-ALL) 1950-1977

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.5	12.3	11.8	10.3	4.4	1.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	88	4
6-7	.0	2.0	13.2	6.8	5.4	2.0	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	86	5
8-9	.0	.0	3.9	4.9	2.9	2.5	1.0	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	6
10-11	.0	.0	.5	1.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	5
12-13	.0	.0	.5	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
>13	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
INDET	2.5	.0	.5	1.5	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	3
TOTAL	8	29	62	96	91	11	4	2	1	0	0	0	0	0	0	0	0	0	0	284	4
PCT	3.9	14.2	30.4	27.9	19.2	5.4	2.0	1.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1953-1978
(OVER-ALL) 1879-1978

AREA 0008 MARQUESAS ISLANDS
9.6S 138.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
N	.0	4.8	.0	.0	.0	.0	.0	4.6	4.0	.4	1.7	.0	.0		.0	81.0
NE	.9	1.9	.0	.0	.0	.0	.0	2.4	1.6	.3	1.5	.0	.0		.0	94.2
E	.6	1.7	.2	.0	.0	.0	.0	2.3	1.8	.4	.6	.0	.1		.2	94.5
SE	.3	4.2	.4	.0	.0	.0	.0	2.8	2.3	.2	.3	.0	.0		.0	94.2
S	2.1	4.8	.0	.0	.0	.0	.0	4.9	.0	.0	.0	.0	.0		.0	78.5
SW	.0	.0	.0	.0	.0	.0	.0	.0	6.9	.0	.0	.0	.0		.0	34.7
W	9.3	9.2	.0	.0	.0	.0	.0	12.5	8.9	.0	.0	.0	.0		.0	37.5
NW	2.1	.5	.0	.0	.0	.0	.0	2.6	3.7	2.8	.0	.0	.0		.0	57.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	83.3
TOT PCT	.7	1.9	.2	.0	.0	.0	.0	2.8	2.1	.4	.7	.0	.1		.1	93.9
TOT OBS:	2872															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	PRECIPITATION TYPE										OTHER WEATHER PHENOMENA				
HOUR (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG	DUST SNOW	NO SIG WEA
00&03	.4	1.9	.0	.0	.0	.0	.0	2.3	1.9	.0	.0	.0	.1		.1	95.6
06&09	.9	1.8	.4	.0	.0	.0	.0	2.8	.9	.7	1.8	.0	.0		.0	93.8
12&15	.5	4.1	.2	.0	.0	.0	.0	2.9	2.7	.6	.1	.0	.0		.1	93.6
18&21	1.0	2.8	.1	.0	.0	.0	.0	3.4	2.4	.2	.9	.0	.2		.1	92.8
TOT PCT	.7	1.9	.2	.0	.0	.0	.0	2.8	2.1	.4	.7	.0	.1		.1	93.9
TOT OBS:	2939															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	WIND SPEED (KNOTS)									HOUR (GMT)						
WND DIR	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.1	1.4	.8	.0	.0	.0		2.4	9.7	2.4	2.1	1.6	3.1	3.2	1.0	2.1	3.9
NE	.5	7.6	7.6	.1	.0	.0		15.8	11.1	18.1	9.4	15.8	10.7	13.7	10.5	14.2	22.9
E	.4	23.4	37.9	1.8	.1	.0		63.7	12.5	65.5	61.1	63.4	67.8	60.7	75.4	65.0	60.4
SE	.3	6.5	8.8	.4	*	.0		15.9	11.9	12.2	9.4	15.8	18.4	19.2	13.1	18.4	12.8
S	.1	.6	.2	.0	.0	.0		.8	5.9	.7	.0	1.1	.0	.9	.0	.6	.9
SW	.0	.2	.0	.0	.0	.0		.2	2.3	.2	.0	.3	.0	.2	.0	.2	.3
W	.1	.2	*	.0	.0	.0		.3	4.9	.3	.0	.7	.0	.2	.0	.2	.3
NW	*	.4	.1	.0	.0	.0		.5	5.4	.4	.0	.8	.0	.5	.0	.6	.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.6							.6	.0	.2	1.4	.4	.0	1.2	.0	.6	.3
TOT OBS							3299		12.0	774	84	742	108	737	80	718	144
TOT PCT	1.8	40.3	55.5	2.4	.1	.0		100.0		100.0	83.9	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

	WIND SPEED (KNOTS)								HOUR (GMT)			
WND DIR	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00 03	06 09	12 15	18 21
N	.8	1.7	.2	.0	.0		2.4	9.7	2.4	1.9	3.1	2.3
NE	1.9	12.3	1.6	*	.0		15.8	11.1	18.1	13.4	13.7	15.6
E	5.3	48.0	10.1	.3	.0		63.7	12.5	65.5	63.8	61.3	64.2
SE	1.5	12.0	2.4	*	.0		15.9	11.9	12.2	16.0	19.0	15.9
S	.4	.4	*	.0	.0		.8	5.9	.7	1.0	.8	.6
SW	.1	.1	.0	.0	.0		.2	2.3	.2	.3	.2	.2
W	.2	.1	*	.0	.0		.3	4.9	.3	.6	.2	.1
NW	.1	.3	*	.0	.0		.5	5.4	.4	.6	.5	.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.6						.6	.0	.3	.3	1.2	.3
TOT OBS						3299		12.0	802	850	787	860
TOT PCT	10.7	76.7	12.2	.4	.0		100.0		100.0	100.0	100.0	100.0

ANNUAL

PERIOD: (PRIMARY) 1953-1978
(OVER-ALL) 1875-1978

AREA 0008 MARQUESAS ISLANDS
9.6S 138.7W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS) 1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00&04	.3	1.0	33.0	63.2	2.5	.0	.0	12.6	100.0	802
06&09	.3	1.7	46.1	50.2	1.7	.0	.0	11.5	100.0	850
12&15	1.2	1.4	46.9	47.7	2.7	.1	.0	11.4	100.0	787
18&21	.5	.8	35.4	60.3	2.7	.2	.0	12.4	100.0	860
TOT								12.0		3299
PCT	.6	1.2	40.3	55.5	2.4	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS) BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.7	.6	.7	.3		3.8
NE	5.4	5.7	3.8	.6		3.5
E	27.3	23.4	11.3	1.7		3.1
SE	6.9	5.5	3.1	.4		3.1
S	.2	.2	.3	.1		2.9
SW	.0	*	.1	.1		2.5
W	.0	*	.2	*		3.0
NW	.1	.2	.1	.2		3.2
VAR	.0	.0	.0	.0		.0
CALM	.4	.1	.1	.0		1.7
TOT OBS					2639	3.2
TOT PCT	41.1	35.8	19.8	3.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8) AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.1	.2	.1	.1	.1	.0	.0	1.7	
NE	*	.0	*	.3	1.6	.7	.2	*	.0	.0	12.7	
E	*	*	.4	1.3	2.9	2.3	.7	.1	*	*	55.8	
SE	.0	.0	.2	.4	.9	.7	.2	*	*	*	13.5	
S	.0	.0	.0	*	.2	.1	.0	.0	.0	.0	.4	
SW	.0	.0	.0	*	.1	*	.0	.0	*	.0	*	
W	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.1	
NW	.0	.0	.0	.0	.1	*	.0	.0	.0	.0	.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	*	.0	.0	*	*	.0	*	.0	.6	
TOT OBS												2639
TOT PCT	.1	*	.7	2.2	6.1	4.0	1.3	.3	.1	*	85.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM) * OR >10	* OR >5	* OR >2	* OR >1	* OR >1/2	* OR >1/4	* OR >50YD	* OR >0
* OR >6500	.1	.1	.2	.2	.2	.2	.2	.2
* OR >5000	.3	.4	.5	.5	.5	.5	.5	.5
* OR >3500	1.4	1.7	1.9	1.9	1.9	1.9	1.9	1.9
* OR >2000	4.7	5.6	5.8	5.9	5.9	5.9	5.9	5.9
* OR >1000	9.3	11.3	12.0	12.1	12.1	12.1	12.1	12.1
* OR >600	10.9	13.3	14.1	14.2	14.3	14.3	14.3	14.3
* OR >300	11.2	13.9	14.7	14.9	15.0	15.0	15.0	15.0
* OR >150	11.2	14.0	14.8	14.9	15.0	15.0	15.0	15.0
* OR > 0	11.3	14.1	14.9	15.1	15.1	15.1	15.1	15.1

TOTAL NUMBER OF OBS: 2696

PCT FREQ NH <5/8: 84.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
4.5	20.5	26.3	22.2	11.2	6.3	4.1	2.4	2.4 *	2795

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PERIOD: (PRIMARY) 1953-1978
(OVER-ALL) 1873-1978

TABLE 8

AREA 0008 MARQUESAS ISLANDS
9.6S 138.7W

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	*	*	.0	.0	.0	.0	.0	.0	*	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	*	*	.0	.0	.0	.0	.0	.0	*	
1/2<1	PCP	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	*	
	NO PCP	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	*	
	TOT %	.0	.0	*	*	.0	.0	.0	.0	.0	.0	.1	
1<2	PCP	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	*	.1	*	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.1	.2	*	.0	.0	.0	.0	.0	.0	.2	
2<5	PCP	.1	.1	.1	.1	.0	.0	*	*	.0	.0	.4	
	NO PCP	*	.1	.6	.3	*	.0	.0	.0	.0	.0	1.0	
	TOT %	.1	.2	.7	.3	*	.0	*	*	.0	.0	1.4	
5<10	PCP	.0	.2	.6	.1	*	.0	.0	.0	.0	.0	1.0	
	NO PCP	.4	1.5	4.0	1.2	.1	.1	*	*	.0	*	7.3	
	TOT %	.4	1.6	4.6	1.4	.1	.1	*	*	.0	*	8.3	
10+	PCP	.1	.1	.7	.2	*	.0	*	*	.0	.0	1.2	
	NO PCP	1.7	14.1	56.9	14.0	.7	.1	.2	.4	.0	.6	88.8	
	TOT %	1.8	14.2	57.5	14.3	.7	.1	.2	.5	.0	.6	90.0	
	TOT OBS												2865
	TOT PCT	2.3	16.1	63.1	16.0	.8	.2	.3	.5	.0	.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	*	*	.0	.0	.0	.0	.0	.0	*	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	*	*	.0	.0	.0	.0	.0	.0	*	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	*	.0	.0	.0	.0	.0		*	
	11-21	.0	.0	*	.0	.0	.0	.0	.0	.0		*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.0	*	*	.0	.0	.0	.0	.0	.0	.1	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	*	*	.0	.0	.0	.0	.0	.0		*	
	11-21	.0	.1	.1	*	.0	.0	.0	.0	.0		.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
	TOT %	.0	.1	.2	*	.0	.0	.0	.0	.0	.0	.2	
2<5	0-3	.0	*	*	.0	.0	.0	*	.0	.0	.0	.1	
	4-10	.1	.1	.2	.1	*	.0	*	*	.0		.4	
	11-21	*	.1	.6	.3	.0	.0	.0	.0	.0		.9	
	22+	.0	.0	*	*	.0	.0	.0	.0	.0		*	
	TOT %	.1	.2	.8	.3	*	.0	*	*	.0	.0	1.4	
5<10	0-3	.0	.0	.1	*	.0	.0	.0	.0	.0	*	.1	
	4-10	.1	.3	1.1	.4	*	.1	*	.0	.0		2.3	
	11-21	.2	1.0	3.1	.8	.1	.0	.0	*	.0		5.3	
	22+	.0	.1	.3	.1	.0	.0	.0	.0	.0		.5	
	TOT %	.4	1.6	4.6	1.4	.1	.1	*	*	.0	*	8.3	
10+	0-3	.1	.2	.3	.3	.1	.0	*	*	.0	.4	1.7	
	4-10	1.1	6.8	21.1	5.7	.5	.1	.2	.4	.0		35.9	
	11-21	.6	7.2	34.4	7.9	.1	.0	*	*	.0		50.3	
	22+	.0	*	1.7	.3	.0	.0	.0	.0	.0		2.1	
	TOT %	1.8	14.2	57.5	14.3	.7	.1	.2	.5	.0	.6	90.0	
	TOT OBS												2872
	TOT PCT	2.3	16.1	63.1	16.0	.8	.2	.3	.5	.0	.7	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8) AND OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00&03	.0	.2	.3	2.5	6.7	3.8	1.0	.4	.2	.0	15.1	84.9	728
06&09	.0	.0	.7	1.5	5.4	4.1	1.7	.3	.0	.2	13.9	86.1	681
12&15	.2	.0	.8	1.9	5.8	2.9	1.7	.4	.3	.0	14.0	86.0	690
18&21	.3	.0	.8	2.7	5.9	4.9	.9	.0	.1	.0	15.5	84.5	676
TOT													2775
PCT	.1	*	.6	2.2	6.1	3.9	1.4	.3	.1	*	14.7	85.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00&03	.0	.0	.1	1.3	4.8	93.8	740
06&09	.0	.0	.4	1.4	12.4	85.8	748
12&15	.0	.0	.3	1.9	8.2	89.6	718
18&21	.3	.2	.1	1.3	8.1	89.9	733
TOT							2939
PCT	.1	.1	.3	1.5	8.4	89.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8), BY HOUR

HOUR (GMT)	<150 <50Y0	<600 <1	<1000 <3	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00&03	.0	.3	4.2	11.8	88.9	709
06&09	.0	.7	4.1	11.3	86.5	648
12&15	.2	1.0	4.3	10.7	84.8	670
18&21	.3	1.4	5.2	11.0	83.8	669
TOT						2696
PCT	.1	.9	4.6	11.3	84.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	*	.0	.0	.0		*
90/94	.0	.0	.0	.3	.4	.1	.2	.0		1.0
85/89	.0	.0	.1	.4	3.7	3.3	.7	.3		8.5
80/84	.0	.0	*	.4	9.4	32.8	14.9	2.5		59.7
75/79	.0	.0	.0	*	1.3	14.9	11.7	2.4		30.4
70/74	.0	.0	.0	*	.0	*	.1	.3		.4
TOTAL OBS									2983	100.0
PCT	.0	.0	.1	1.1	14.9	50.8	27.5	5.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	*	.0	.0	.0	.0	.0	.0	.0
.0	.2	.7	.1	*	.0	.0	.0	.0	*
.2	1.6	5.6	.9	*	.0	*	.1	.0	.0
1.6	9.3	37.6	9.8	.4	.1	.1	.2	.0	.4
.7	4.2	19.2	5.3	.3	.1	.2	.2	.0	.2
.0	.1	.2	*	*	.0	.0	*	.0	*
2.5	15.4	63.3	16.1	.8	.2	.3	.6	.0	.7

TABLE 15

MEANS,EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00&03	95	90	88	83	79	76	69	82.7	813
06&09	88	85	82	80	78	76	71	79.9	883
12&15	85	82	81	79	77	75	71	79.1	799
18&21	94	88	86	82	78	76	73	81.7	870
TOT	95	88	86	81	77	75	69	80.9	3365

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00&03	.0	2.9	30.8	46.5	16.4	3.7	73	778
06&09	.0	.3	5.0	36.7	31.1	6.9	79	760
12&15	.0	.1	3.2	30.2	40.0	6.4	80	794
18&21	.3	1.6	20.1	31.4	21.5	5.3	76	741
TOT	0	28	482	1551	825	187	77	3073

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WO FOG
16/18	.0	.0	.0	.0	.0	*	*	.1	4	.0	.2
11/13	.0	.0	.0	.0	*	.1	.1	*	6	.0	.2
9/10	.0	.0	.0	.0	.1	.1	.2	.1	11	.0	.4
7/8	.0	.0	.0	.1	.1	.5	.4	.0	28	.0	1.1
6	.0	.0	.0	.1	.2	.6	.2	.0	28	.0	1.1
5	.0	.0	.0	.1	.6	1.2	.2	.0	52	.0	2.0
4	.0	.0	.0	.1	1.6	1.4	.2	.0	88	.1	3.3
3	.0	.0	.0	.2	2.7	1.4	*	.0	118	*	4.4
2	.0	.0	*	.5	4.9	1.1	.0	.0	174	.1	6.4
1	.0	.0	*	2.6	6.9	.8	*	.0	276	*	10.3
0	.0	.0	*	6.3	10.8	.3	.0	.0	469	.2	17.3
-1	.0	.0	.2	10.8	9.3	.3	.0	.0	544	.2	20.4
-2	.0	.0	.3	9.5	4.7	*	.0	.0	389	.1	14.3
-3	.0	.0	.4	5.9	2.2	.0	.0	.0	226	.0	8.4
-4	.0	*	.3	3.4	.9	.0	.0	.0	126	*	4.7
-5	.0	.0	.3	1.9	.3	.0	.0	.0	75	.0	2.7
-6	.0	.0	.3	.4	.1	.0	.0	.0	26	.0	1.0
-7/-8	.0	.0	.3	.4	.2	.0	.0	.0	23	.0	.9
-9/-10	.0	*	.1	.1	.0	.0	.0	.0	6	.0	.2
-11/-13	*	.0	.0	*	.0	.0	.0	.0	2	.0	.1
TOTAL									2673		
PCT	*	.1	2.7	42.2	45.6	7.8	1.4	.2	100.0	.8	99.2

PERIOD: (OVER-ALL) 1963-1978

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.1	.0	.0	.0	.0	.1
1-2	.1	.6	.2	.0	.0	.0	.9
3-4	.0	.2	.3	.0	.0	.0	.6
5-6	.0	.1	.3	.0	.0	.0	.3
7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.9	.9	.0	.0	.0	2.0

NE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.5	*	.0	.0	.0	.6
1-2	.1	2.8	2.0	.0	.0	.0	5.0
3-4	.0	2.8	3.3	.1	.0	.0	6.2
5-6	.0	.5	2.7	*	.0	.0	3.2
7	.0	.0	.5	.0	.0	.0	.5
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.1	.0	.0	.0	.1
12	.0	*	.0	.0	.0	.0	*
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	*	.0	.0	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	6.6	8.7	.1	.0	.0	15.6

E

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	1.3	.7	.0	.0	.0	2.1
1-2	.1	10.0	8.9	.0	.0	.0	18.9
3-4	.0	8.4	14.4	.6	.0	.0	23.4
5-6	.0	1.6	10.9	.6	.0	.0	13.1
7	.0	.2	3.6	.7	.0	.0	4.5
8-9	.0	.3	.6	.1	.1	.0	.9
10-11	.0	.0	.1	.2	.0	.0	.3
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.1	.0	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	21.7	39.1	2.1	.1	.0	63.3

SE

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.5	*	.0	.0	.0	.8
1-2	.1	2.3	2.3	.0	.0	.0	4.8
3-4	.1	2.2	4.5	.2	.0	.0	7.0
5-6	.0	.5	2.5	.1	.0	.0	3.1
7	.0	*	.8	.2	.0	.0	1.0
8-9	.0	*	.2	.0	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	5.0	10.3	.3	.0	.0	16.8

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

S

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	.1	.0	.0	.0	.0	.1
1-2	.0	.2	.2	.0	.0	.0	.4
3-4	.0	.2	.1	.0	.0	.0	.3
5-6	.0	.1	.0	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	*	.5	.3	.0	.0	.0	.9

SW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	.1
1-2	.0	.1	.0	.0	.0	.0	.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.1	.0	.0	.0	.0	.1

W

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.0	.0	.0	.0	.0	.1
1-2	.0	.1	.0	.0	.0	.0	.1
3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.1	.1	.0	.0	.0	.2

NW

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.0	.0	.0	.0	.0	.1
1-2	*	.2	.0	.0	.0	.0	.2
3-4	.0	.0	.1	.0	.0	.0	.1
5-6	.0	.1	*	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.3	.1	.0	.0	.0	.4

HGT	TOTAL PCT
<1	.1
1-2	.2
3-4	.1
5-6	.1
7	.0
8-9	.0
10-11	.0
12	.0
13-16	.0
17-19	.0
20-22	.0
23-25	.0
26-32	.0
33-40	.0
41-48	.0
49-60	.0
61-70	.0
71-86	.0
87+	.0
TOT PCT	99.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.4	2.7	.7	.0	.0	.0	4.9	
1-2	.6	16.2	13.7	.0	.0	.0	30.5	
3-4	.1	13.7	22.5	.9	.0	.0	37.2	
5-6	.0	2.7	16.4	.7	.0	.0	19.8	
7	.0	.2	4.9	.9	.0	.0	6.1	
8-9	.0	.3	.7	.1	.1	.0	1.1	
10-11	.0	.0	.2	.2	.0	.0	.3	
12	.0	*	.0	.0	.0	.0	*	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.1	.0	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.1	35.9	59.3	2.7	.1	.0	100.0	1862

PERIOD: (OVER-ALL) 1969-1977 TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.2	8.1	15.9	10.3	3.7	1.2	.8	.1	.0	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	991	4
6-7	.0	1.3	8.3	11.8	6.2	2.1	1.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	768	5
8-9	.0	.4	2.2	4.5	4.6	1.2	1.1	.3	.5	.1	*	.0	.0	.0	.0	.0	.0	.0	.0	374	6
10-11	.0	.6	.6	1.1	1.2	.5	.5	.1	.1	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	103	6
12-13	.0	.0	.5	.4	.3	.1	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	42	7
>13	.0	.0	.0	.5	.3	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	21	7
INDET	.6	.6	1.7	1.2	.6	.4	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	129	4
TOTAL PCT	1.9	11.0	29.2	29.7	16.9	5.5	3.9	.8	.9	.2	.1	.0	*	.0	.0	.0	.0	.0	.0	2422 100.0	5

PERIOD: (PRIMARY) 1953-1978
(OVER-ALL) 1875-1978

AREA 0008 MARQUESAS ISLANDS
9.6S 138.7W

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	3	.1
87/88	.4	.0	.8	.8	1.9	.9	.0	.0	.3	.0	1.7	1.2	24	.7
85/86	7.2	3.1	5.2	22.6	7.9	4.7	.0	.7	.3	1.9	3.1	.0	137	4.0
83/84	28.6	30.1	47.6	36.5	44.0	32.5	14.4	4.0	5.1	4.5	12.1	15.7	732	21.5
81/82	38.1	44.2	36.7	31.3	40.2	45.3	48.4	35.4	42.6	47.4	46.0	40.1	1414	41.6
79/80	45.6	20.4	8.5	7.5	5.4	15.8	30.5	43.4	38.7	35.2	28.0	36.0	866	25.5
77/78	9.3	2.2	.8	1.2	.3	.9	6.3	14.2	11.8	9.4	8.0	4.5	194	5.7
75/76	1.1	.0	.4	.0	.8	.0	.0	2.0	.3	1.2	.7	.0	19	.6
73/74	.0	.0	.0	.0	.0	.0	.4	.3	.9	.7	.3	1.2	12	.4
71/72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
69/70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
67/68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
65/66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
63/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	273	226	248	252	316	234	285	302	331	403	289	242	3401	100.0
MEAN	81.4	81.7	82.5	83.0	82.6	82.0	80.8	79.9	80.3	80.4	81.0	81.0	81.3	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1010	1011	1012	1011	1010	1011	1012	1011	1011	251
FEB	1010	1010	1012	1012	1011	1012	1013	1013	1011	198
MAR	1009	1010	1011	1013	1010	1012	1013	1011	1011	214
APR	1010	1012	1012	1014	1011	1013	1013	1012	1012	227
MAY	1010	1012	1012	1013	1011	1014	1013	1012	1012	275
JUN	1011	1010	1012	1012	1011	1012	1014	1013	1012	233
JUL	1011	1011	1013	1013	1012	1012	1014	1012	1012	311
AUG	1012		1013	1014	1012	1011	1014	1012	1013	347
SEP	1010	1013	1013	1014	1012	1013	1014	1014	1012	324
OCT	1011	1011	1013	1013	1012	1012	1014	1013	1012	376
NOV	1010	1011	1012	1011	1011	1013	1014	1012	1012	277
DEC	1010	1010	1012	1011	1010	1012	1013	1011	1011	252
ANN	1010	1011	1012	1013	1011	1012	1013	1012	1012	3285
OBS	784	31	751	91	735	52	723	118		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	998	1004	1007	1009	1011	1012	1014	1016	1019
FEB	1005	1005	1007	1010	1011	1013	1019	1019	1023
MAR	1003	1005	1007	1010	1011	1013	1014	1016	1020
APR	1007	1007	1008	1010	1011	1013	1016	1020	1022
MAY	1004	1008	1009	1010	1012	1013	1015	1016	1018
JUN	1007	1007	1009	1011	1012	1013	1015	1016	1019
JUL	1004	1007	1009	1011	1012	1014	1015	1016	1018
AUG	1006	1006	1009	1011	1013	1014	1016	1017	1025
SEP	999	1006	1008	1011	1013	1014	1017	1017	1018
OCT	1004	1007	1009	1011	1012	1014	1016	1017	1019
NOV	1007	1007	1008	1010	1012	1013	1015	1016	1017
DEC	1004	1006	1008	1010	1011	1013	1015	1018	1021

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>18	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	.5	.0	3.4	2.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	4
TOTAL	3	14	74	62	37	8	1	0	0	0	0	0	0	0	0	0	0	208	9
PCT	1.5	6.8	36.1	30.7	18.0	3.9	2.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

